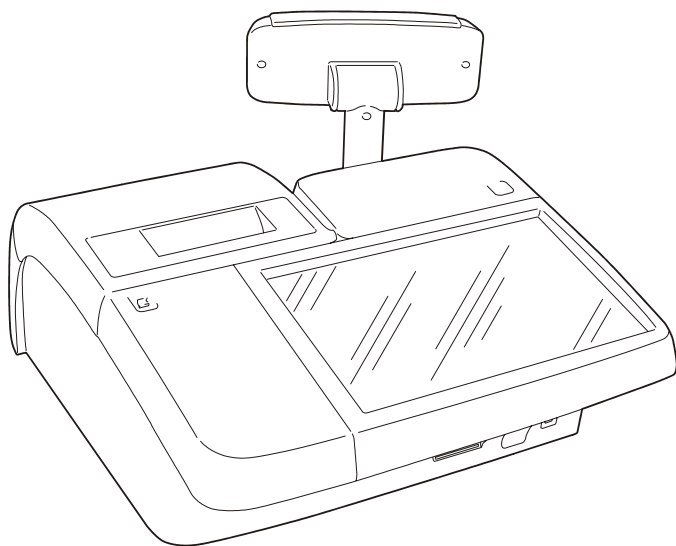




## PROGRAMMING USING SET



**NETTUN@7000**<sup>int'l</sup>

CASH REGISTER


**Publication issued by:**

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This manual describes the CRF7100 cash register sold with the name NETTUN@7000<sup>int'l</sup>.

The manufacturer reserves the right to carry out modifications to the product described in this manual at any time without any notice.

The quality requirements of this product are attested  
through display of  marking on the product.



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Your attention is drawn to the following actions which could compromise the conformity attested to above and also product characteristics:

- incorrect power supply;
- incorrect installation, incorrect or improper use or use not in compliance with the warnings provided in the User's Manual furnished with the product;
- replacement of original components or accessories with others of a type not approved by the manufacturer, or performed by unauthorised personnel

**User Safety**

Connect the machine to a nearby and readily accessible current outlet.

Access the print unit area only to replace accessories. Do not use the machine above or close to sources of heat (e.g. radiators) or very close to water (e.g. swimming-pools or showers).

To effectively disconnect the appliance, remove the plug of the power cord from the current outlet. To clean the machine, disconnect it from the current outlet, use a damp cloth. Do NOT use corrosive liquids.

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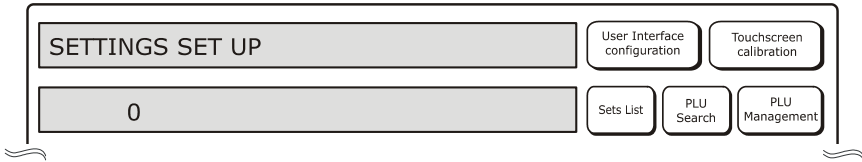


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# 1. PROGRAMMING USING SET

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The cash register can be programmed from the Programming environment that is accessible from the main Sales screen by selecting the **[Config]** key from the **[Functions]> Other Functions** environment.



**In order to:**

perform programming	set the related parameter as described in the following pages.
confirm the setting made and pass to the next parameter	press <b>X</b>
skip programming and pass directly to the next parameter	press <b>X</b>
cancel the setting	press <b>Delete</b>
exit from the programming environment without saving the programming changes	press <b>Exit</b> without confirming with <b>X</b>
confirm the settings made and return to the start of SET mode	press <b>Total</b>
cancel an error message	press <b>Delete</b>
when programming a department field, skip to the next department to program the same field	press <b>Subtotal</b>

When **programming sales prices**, the decimal separator is inserted automatically when you enter amounts consisting of whole figures. On the other hand, when you enter amounts containing decimal figures, you must enter the decimal separator manually.

# ERROR MESSAGES

The error messages listed here are those that appear most frequently when using Programming mode.

MESSAGE	MEANING
EXCEEDED CAPACITY	The values set exceed the number of figures allowed.
OVER MAX. LIM.	The value set is not included among the permitted values.
SEQUENCE ERROR	The key pressed is not allowed.
NOT ALLOWED	The operation requested is not allowed.

# PROGRAMMING LIST

With the [Programming List] key, you can display a list of all the functions available on the cash register for programming, and the code to use for enabling the function.

Sets list	
Code	Description
102	Format machine data
150	Display till total amount
151	Display machine date and time
152	Change automat. date & time
154	Reset register GT

**Note:** The programming functions that can be used by the user are listed below.

This section indicates the procedures and codes to be used for configuring the cash register.

# SET 101 – RESTORE FACTORY DEFAULT

This can be used to zero all the data present on the machine, restoring the default values (factory settings).

## Operating procedure

- |   |   |   |   |
|---|---|---|---|
| 1 | 0 | 1 | X |
|---|---|---|---|
- LOAD DEFAULT CONFIRM? Confirm with 

X
---

 to proceed with the operation to format the existing data and load the machine with the default values.



## SET 102 – FORMAT MEMORY

---

### Formatting the memory

Using Code 102 you can format the memory of the cash register. This means that in programming mode the memory can be divided into logical areas of size and number to meet the needs of the user. In particular, you can configure the basic number of parameters required for carrying out sales activities (number of merchandise categories, departments, PLUs, operators, etc.) and choose the lengths of each of their descriptors.

For each of these entities you can also decide whether or not to enable a series of options available on the machine. For example, you can choose whether or not to set a maximum or minimum sales amount for all departments (other codes described in the following pages allow you to program maximum or minimum amounts specifically for each department).

The total capacity of the memory available, however, is not sufficient to support contemporarily programming of the maximum values for all parameters. Therefore, while programming with Code 102, from time to time, configuration of certain parameter values may result in warnings of memory capacity exceeded.

### Code 102 General Guidelines

**Key [X]** : confirms parameter programming and allows you to scroll sequentially through all the information.

**Key [CASH]** : exits from the option without saving the parameter settings and without formatting the databases, maintaining the previous configuration.

**Key [SUBTOTAL]** : memorises the parameters modified and, from any position, switches to DB formatting that the user can choose whether or not to perform.

**Procedure entry**: confirmation may be requested before proceeding.

Before formatting is performed, the user is requested for final confirmation.

### Operating procedure

1.                    **[1][0][2][X]** Formats the memory of the cash register. In programming mode, you can divide the memory into logical areas of varying sizes and number according to your specific needs. The position for entering the first character is highlighted on the operator display.
2.    **[PROGRAM DEPARTMENTS]**
3.    **[NUMERIC CHARACTERS]** To program the number of departments from 1 to 250.
4.                    **[X]** To confirm the data entered and continue to set the next parameter.
5.    **[NUMERIC CHARACTERS]** To program the number of price lists from 1 to 4.
6.                    **[X]** To confirm the data entered and continue to set the next parameter.
7.    **[NUMERIC CHARACTERS]** To program the length of the descriptor from 0 to 29.
8.                    **[X]** To confirm the data inserted and continue to set the next parameter
9.    **[NUMERIC CHARACTERS]** To program link to GROUP to 1/0.
10.                   **[X]** To confirm the data entered and continue to set the next parameter.

11. **[NUMERIC CHARACTERS]** To program a HALO to 1/0.
12. ☒ To confirm the data entered and continue to set the next parameter.
13. **[NUMERIC CHARACTERS]** To program a LALO to 1/0.
14. ☒ To confirm the data entered and continue to set the next parameter.
15. **[NUMERIC CHARACTERS]** To program OFFER link to 1/0.
16. ☒ To confirm the data entered and continue to set the next parameter.
17. **[NUMERIC CHARACTERS]** To program periodic 2 to 1/0.
18. ☒ To confirm the data entered and continue to set the next parameter.
19. **[PROGRAM INTERNAL PLUs]**
20. **[NUMERIC CHARACTERS]** To program the number of PLUs from 0 to 250.
21. ☒ To confirm the data entered and continue to set the next parameter.
22. **[NUMERIC CHARACTERS]** To program the length of the descriptor from 0 to 29.
23. ☒ To confirm the data entered and continue to set the next parameter.
24. **[NUMERIC CHARACTERS]** To program the KEYPAD DIM., NUMBER OF KEYS (250), DESCR LENGTH (24).
25. ☒ To confirm the data entered and continue to set the next parameter.
26. **[PROGRAM PAYMENT FORMS]**
27. **[NUMERIC CHARACTERS]** To program the length of the descriptor from 0 to 29.
28. ☒ To confirm the data entered and continue to set the next parameter.
29. **[NUMERIC CHARACTERS]** To program the number of currencies from 0 to 10.
30. ☒ To confirm the data entered and continue to set the next parameter.
31. **[NUMERIC CHARACTERS]** To program the number of credit cards from 0 to 10.
32. ☒ To confirm the data entered and continue to set the next parameter.
33. **[NUMERIC CHARACTERS]** To program the number of VOUCHERS from 0 to 15.
34. ☒ To confirm the data entered and continue to set the next parameter.
35. **[NUMERIC CHARACTERS]** To program the number of DENOMINATIONS from 0 to 15.
36. ☒ To confirm the data entered and continue to set the next parameter.
37. **[NUMERIC CHARACTERS]** To program periodic 2 to 1/0.
38. ☒ To confirm the data entered and continue to set the next parameter.

**39. [PROGRAM OPERATORS]**

40. [NUMERIC CHARACTERS] To program the number of operators from 0 to 10.

41. ☒ To confirm the data entered and continue to set the next parameter.

42. [NUMERIC CHARACTERS] To program the descriptor length from 0 to 16.

43. ☒ To confirm the data entered and continue to set the next parameter.

44. [NUMERIC CHARACTERS] To program the length of the personal code from 0 to 4.

45. ☒ To confirm the data entered and continue to set the next parameter.

46. [NUMERIC CHARACTERS] To program periodic 2 to 1/0.

47. ☒ To confirm the data entered and continue to set the next parameter.

**48. [PROGRAM OFFERS]**

49. [NUMERIC CHARACTERS] To program the number of offers from 0 to 9.

50. ☒ To confirm the data entered and continue to set the next parameter.

51. [NUMERIC CHARACTERS] To program the descriptor length from 0 to 29.

52. ☒ To confirm the data entered and continue to set the next parameter.

53. [NUMERIC CHARACTERS] To program periodic 2 to 1/0.

54. ☒ To confirm the data entered and continue to set the next parameter.

**55. [PROGRAM DISCOUNTS AND MARKUPS]**

56. [NUMERIC CHARACTERS] To program the number of percent discounts from 0 to 9.

57. ☒ To confirm the data entered and continue to set the next parameter.

58. [NUMERIC CHARACTERS] To program number of absolute discounts from 0 to 9.

59. ☒ To confirm the data entered and continue to set the next parameter.

60. [NUMERIC CHARACTERS] To program the number of percent markups from 0 to 9.

61. ☒ To confirm the data entered and continue to set the next parameter.

62. [NUMERIC CHARACTERS] To program the number of absolute markups. The number of markups can vary from 0 to 9.

63. ☒ To confirm the data entered and continue to set the next parameter.

64. [NUMERIC CHARACTERS] To program the descriptor length from 0 to 15.

65. ☒ To confirm the data entered and continue to set the next parameter.

66. **[NUMERIC CHARACTERS]** To program periodic 2 to 1/0.
67. ☒ To confirm the data entered and continue to set the next parameter.
68. **[PROGRAM GROUPS]**
69. **[NUMERIC CHARACTERS]** To program the number of groups from 0 to 30.
70. ☒ To confirm the data entered and continue to set the next parameter.
71. **[NUMERIC CHARACTERS]** To program the descriptor length from 0 to 29.
72. ☒ To confirm the data entered and continue to set the next parameter.
73. **[NUMERIC CHARACTERS]** To program periodic 2 to 1/0.
74. ☒ To confirm the data entered and continue to set the next parameter.
75. **[PROGRAM VAT RATES]**
76. **[NUMERIC CHARACTERS]** To program the descriptor length from 0 to 29.
77. ☒ To confirm the data entered and continue to set the next parameter.
78. **[NUMERIC CHARACTERS]** To program CUSTOMER DIM., NO. CUSTOMERS (200), DESCR. LENGTH (29), PERIOD. 2 REG. (1)
79. ☒ To confirm the data entered and continue to set the next parameter.
80. **[NUMERIC CHARACTERS]** To program the WEEE eco-contribution to 1/0.
81. ☒ To confirm the data entered and terminate programming with SET 102.

Note: on terminating programming using option 102 - after you have performed successfully the selection and memory formatting procedures - a ticket is automatically printed containing a list of all the settings (the same as can printed using option 314), so that you can retain a trace of the settings made.

## Factory Settings Table

Programmable parameters - DEPTS	Range	Factory setting
Number of departments	<b>1-250</b>	<b>250</b>
Number of price lists	<b>1-4</b>	<b>4</b>
Descriptor length	<b>0-29</b>	<b>24</b>
GROUP link	<b>1/0</b>	<b>1</b>
HALO	<b>1/0</b>	<b>1</b>
LALO	<b>1/0</b>	<b>1</b>
OFFER link	<b>1/0</b>	<b>0</b>
Periodic 2	<b>1/0</b>	<b>1</b>

<b>Programmable parameters – INT. PLUs</b>	<b>Range</b>	<b>Factory setting</b>
Number of PLUs	0-250	<b>250</b>
Number of price lists	1-4	<b>4</b>

<b>Keypad</b>	<b>Range</b>	<b>Factory setting</b>
Number of keys	0-250	<b>250</b>
Descriptor	1-24	<b>24</b>

<b>Programmable parameters - PAYMENT FORMS</b>	<b>Range</b>	<b>Factory setting</b>
Descriptor length	0-29	<b>24</b>
Number of currencies	0-10	<b>5</b>
Number of credit cards	0-10	<b>5</b>
Number of vouchers	0-20	<b>15</b>
Number of companies **	0-99	<b>15</b>
Number of denominations **	0-999	<b>15</b>
Periodic 2	1/0	<b>1</b>

<b>Programmable parameters - OPERATORS</b>	<b>Range</b>	<b>Factory setting</b>
Number of operators	<b>0</b>	<b>10</b>
Descriptor length	0-29	<b>16</b>
Personal code length	<b>0 - 4</b>	<b>4</b>
Periodic 2	<b>1/0</b>	<b>1</b>

<b>Programmable parameters - OFFERS</b>	<b>Range</b>	<b>Factory setting</b>
Number of offers	0 - 9	<b>5</b>
Descriptor length	0-29	<b>24</b>
Periodic 2	<b>1/0</b>	<b>1</b>

<b>Programmable parameters - DISCNTS &amp; MRKUPS</b>	<b>Range</b>	<b>Factory setting</b>
Number of percent discounts	0 - 9	<b>6</b>
Number of absolute value discounts	0 - 9	<b>6</b>
Number of percent markups	<b>0 - 9</b>	<b>6</b>
Number of absolute value markups	<b>0-9</b>	<b>6</b>
Descriptor length	<b>0-29</b>	<b>15</b>
Periodic 2	<b>1/0</b>	<b>1</b>

<b>Programmable parameters - GROUPS</b>	<b>Range</b>	<b>Factory setting</b>
Number of groups	<b>0 -30</b>	<b>30</b>
Descriptor length	<b>0-29</b>	<b>24</b>
Periodic 2	<b>1/0</b>	<b>1</b>

<b>Programmable parameters - VAT RATES</b>	<b>Range</b>	<b>Factory setting</b>
Descriptor length	0-29	<b>24</b>

<b>CUSTOMER Dimension</b>	<b>Range</b>	<b>Factory setting</b>
Number of customer accounts	<b>0 -200</b>	<b>200</b>
Descriptor length	<b>0-29</b>	<b>29</b>
Periodic 2	<b>1/0</b>	<b>1</b>
WEEE Contribution	1/0	<b>0</b>

## **SET 150 - DISPLAY TILL TOTAL AMOUNT**

The cash register date is updated automatically at midnight of every day. If obligatory report execution is programmed, after the date is changed new sales tickets cannot be issued until the report is run.

### **Operating procedure**

3.    ☒

4.  ☒ To disable obligatory report execution after the date change. \*

☒ To enable obligatory report execution after the date change.

---

\* Factory setting

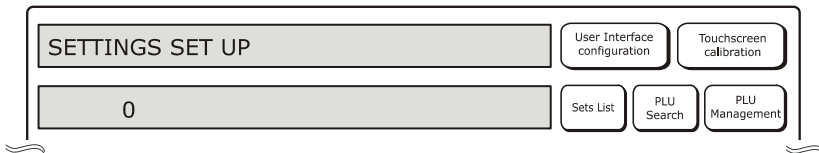
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## SET 151 – SET MACHINE DATE AND TIME

---

To set the date and time, proceed as follows:

1. On the touch screen, press **[Config]** from the **[Functions] > Other Functions** environment, The screen displays:



2. Using the numeric keypad, enter the code **1 5 1** followed by **[X]**
3. The default format for displaying the date is *DD/MM/YY* and corresponds to selection 0.  
Select 1 to display the date in the format *MM/DD/YY*  
Select 2 to display the date in the format *YY/MM/DD*.
4. The default format for displaying the time is *24H*, and corresponds to selection 1.  
Select 0 to display the time in *12H* format.
5. Enter the date and press **[X]** to confirm the date entered.
6. The time stored in the cash register is displayed.
7. Enter the time in the format: hh-mm-sec.
8. Press **[X]** to confirm the time entered.

### Note:

- 
- Changing the date/time is not permitted until the Z10 report is run.
- 

Example:

**1 5 1** followed by **[X]**  
*DD/MM/YY* followed by **[X]**  
*24H* followed by **[X]**  
*01-01-2012* followed by **[X]**  
*01:19:43* followed by **[X]**

## SET 152 – CHANGE AUTOMAT. DATE & TIME

---

With SET 152 you can program the register to update the time automatically (Daylight Saving Time to Standard time, and vice versa).

### Operating procedure

1.
2.   To set manual updating (factory default).  
  To set automatic updating

## SET 154 – RESET REGISTER GT

---

Reset the register's Grand Total.

## SET 155 - ACTIVATE OBLIGATORY INVOICE HEADING FOR INVOICE

---

You can specify if the details of the invoicee must be completed immediately, at the moment the invoice is issued, or whether these details can be added at a later time.

### Operating procedure

1.
2.   The details of the customer who is the invoicee can be completed at a later time.  
  The details of the customer who is the invoicee must be entered at the cash register keypad before issuing the invoice.

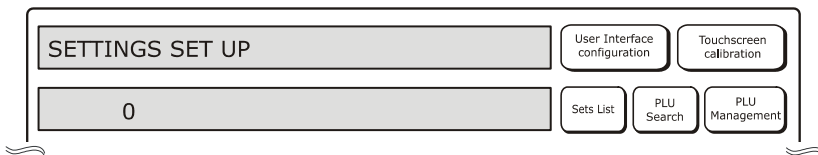


## SET 160 - LANGUAGE SELECTION

---

To select the language for the interface, proceed as follows:

1. Select **[Config]** from the **[Functions] > Other Functions** environment.  
The following screen appears:



2. Using the numeric keypad, enter the code **[1][6][0]** followed by **[X]**.

***WARNING: if you need to change the language after having already used the cash register, it may be necessary to print the reports (Z10). If this is the case, consult the manual for how to print a report.***

3. The cash register asks you to confirm that you want to change the language.
6. Press **[X]** to confirm.
4. The current language (for example, 0=English) appears on the screen.
5. Select the language you want to set, from :  
**0**=English  
**1**=Italian  
**2**=French  
**3**=German  
**4**=Spanish .
6. After you have selected the language, the cash register prints an information ticket and then restarts automatically.  
After restarting, the cash register displays the interface in the new language selected, loading the default parameters and zeroing the management data.

## SET 162 – ROUNDING TYPE SELECTION

---

This is used to set the type of rounding to apply to the total.

### Operating procedure

5.
6.   No rounding  
  SWISS FRANC  
  DANISH KRONE  
  EURO

---

\* Factory setting

---

## SET 170 – TRAINING MODE

---

The option SET170 is used to select the Training environment (that can be run at any time, without requiring any particular set-up).

In Training mode, all normal operations can be performed as during normal use of the cash register.

Sales tickets and invoices are differentiated from those issued during normal operation by the character “#” printed before the “Ticket Number” caption.

Operations performed in Training mode are not saved in the EJ.

On exiting from Training mode, the register is reset with all the values and settings that were in effect before entering Training Mode.

To set up Training mode:

Select the option SET 170 followed by the key

0 followed by  = to disable

1 followed by  = to enable

## SET 200 - PRINT SERIES 200 OPTIONS LIST

---

This function allows you to print the settings for the icons and promotional messages.

### Operating procedure

1.
2. Starts printing.

## SET 201 - SET UP MERCHANDISE ICONS

---

A graphical image (or icon) can also be printed on a ticket, together with a predefined promotional message. Icons are sub-divided as follows:

- merchandise categories
- public holidays and special occasions
- lucky tickets with programmed amount

The message can be substituted with one of those provided on the cash register, or by entering a 4-row customised message, each 15 characters in length. For each row, you can choose one of the three printing attributes: normal, double-height, double-width.

Code **SET 201** is used to program the icon to print on tickets and the associated promotional phrase.

### Operating procedure

1.
2.   /   To enable / disable the function
3. **[NUMERIC CHARS]**  To set the number of the icon to print (1 to 107).
4.   To associate a custom phrase with the icon selected.  
  To select the phrase to associate with the icon (default phrase)  
  To select one of the phrases provided by the cash register
5. **[ALPHANUMERIC CHARACTERS]** If "custom phrase" mode is chosen, enter the characters for the descriptor to assign to the current row.  
Confirm to continue to program the attribute for the character.
6.   To select the attribute normal  
  To select the attribute double-height  
  To select the attribute double-width

Repeat the procedure for all (4) rows to be programmed.

7.  If "icon-associated phrase" mode is chosen (factory-set phrase):  
confirm. The cash register returns to the beginning of SET mode.

**otherwise** If "select cash register phrase" mode is chosen :  
enter the number of the phrase:

**[NUMERIC CHARS]** Confirm ; the cash register returns to the beginning of SET mode.

## SET 203 - SET UP POINT ICONS

---

At the bottom of the sales ticket, the icon related to reward points can be printed automatically. The number of points is calculated on the basis of a threshold value programmed with option 203.

### Operating procedure

1.    ☒
2.  ☒ /  ☒ To enable / disable the function
3. **[NUMERIC CHARACTERS]** ☒ To set the reference value for calculating reward points.

## SET 206 - SET UP PUBLIC HOLIDAY ICONS

---

The icons in this group, relating to religious holidays or special occasions occurring annually, can be activated during pre-defined periods using the programming code **SET 206**.

The icon **replaces the merchandise icon (if set) during the pre-defined period exclusively.**

NO.	HOL./OCCASION	ICON NO.	PROMOTIONAL PHRASE	PERIOD
1	Christmas	108	HAPPY CHRISTMAS	from 15/12 to 27/12
2	New Year	109	HAPPY NEW YEAR	from 28/12 to 02/01
3	St. Valentine's Day	110	A DAY TO REMEMBER	from 10/02 to 14/02
4	Carnival (*)	111	HAVE A HAPPY CARNIVAL	from 25/02 to 1/03
5	Women's Day (*)	112	A DAY WORTH REMEMBERING	from 05/03 to 08/03
6	Father's Day	113	FATHER'S DAY - BEST WISHES	from 15/03 to 19/03
7	Easter (*)	114	HAPPY EASTER	from 10/04 to 16/04
8	Mother's Day	115	MOTHER'S DAY - BEST WISHES	from 06/05 to 14/05
9	Good Holiday (*)	116	HAVE A GOOD HOLIDAY	from 10/07 to 30/07

(\*) the periods shown are purely examples

## Operating procedure

1.
  2. **[NUMERIC CHARACTERS]**  Set the number of the HOLIDAY/OCCASION ( 1 – 9 ) you want to program.
  3.   /   To enable / disable the function
  4. **[NUMERIC CHARACTERS]**  The number of the default icon associated with the selected HOLIDAY/OCCASION is displayed on the screen. To replace this icon with another, enter the number of the icon you require (108-116).
  5.   To associate a custom phrase with the icon selected  
  To select the phrase to associate with the icon (default phrase)  
  To select one of the phrases available on the cash register
  6. **[ALPHANUMERIC CHARACTERS]** If the mode “custom phrase” has been selected, enter the characters for the descriptor to assign to the current row.  
 Confirm to continue to program the attribute for the character.
  7.   To set the attribute normal  
  To set the attribute double-height  
  To set the attribute double-width
- Repeat this procedure for all (4) rows to be programmed. After programming the last row, you can proceed to program the period.
8. If the mode “icon-associated phrase” is selected (default phrase):  
 confirm to proceed to program the period.  
or  
If the mode “select cash register phrase” is selected :  
Enter the number of the phrase.  
Confirm to proceed to program the period.  
**[NUMERIC CHARACTERS]**
  9. **[NUMERIC CHARACTERS]** The start period date is displayed on the screen  
Set the new date, overwriting the previous one.  
Confirm the default start period date or the one programmed.  
 The end period date is displayed on the screen
  10.  Press to confirm the default end period date; otherwise repeat the programming procedure described above.

**SET 297 - PRINT LIST OF ICON-PHRASE COMBINATIONS**  
**SET 298 - PRINT LIST OF MERCHANDISE PHRASES**  
**SET 299 - PRINT LIST OF MERCHANDISE ICONS**

---

**Operating procedure**

- ❖ Cash register in SET operation mode.

**PRINT ALL THE MERCHANDISE CATEGORY ICONS AND PROMOTIONAL PHRASES  
(FACTORY DEFAULTS)**

**[2] [9] [7]**

**[X]** Confirm printing \*

**PRINT MERCHANDISE, HOLIDAYS and OCCASION PHRASES**

**[2] [9] [8]**

**[X]** Confirm printing \*

**PRINT MERCHANDISE, HOLIDAYS and OCCASION ICONS**

**[2] [9] [9]**

**[X]** Confirm printing \*

\*Printing can be interrupted by pressing the key **[C]** or the change mode key

**SET 300 - PRINT SERIES 300 OPTION LIST**

---

This function allows you to print how all the functionalities associated with the Series 300 programming codes are programmed.

**Operating procedure**

- [3] [0] [0]**
- [X]** Start printing

**SET 301 - SET MACHINE CODE**

---

**Operating procedure**

- [3] [0] [1] [X]**
- [ALPHANUMERIC CHARS] [X]** Customisation of descriptor \*.  
(Up to 10 alphanumerical characters)

---

\* Factory setting: "01"

---

SET 302 - SET UP HEADING LINES

For the ticket header 7 rows are provided, printed centred on the ticket. The header must contain the precise company details, including the address and VAT number/Tax Code. The seventh row is reserved specifically for the VAT No., and the cash register performs a check to ensure that at least this line is programmed.

The VAT Number can be programmed exclusively during the EJ initialisation procedure (see CHAP.8 "The E.J.") after running the Z10 daily closure report.

Operating procedure

PROGRAMMING ROWS FROM 1 TO 6

3.

3

0

2

X
4.

[NUMERIC CHARACTERS]

X

To select the logo to be inserted in the first row of the header. \*\*\*
5.

0

X

To position the logo on the left \*

1

X

To position the logo at the centre.

2

X

To position the logo on the right.

6.

[ALPHANUMERIC CHARS]

X

Customise descriptor. Customisation is only possible if "0" has been chosen as the logo number. \*\*

7.

0

X

To define the character attribute "NORMAL". \*

1

X

To define the character attribute "DOUBLE HEIGHT".

8.

0

X

To define a character font with 24 chars / row \*

1

X

To define a character font with 29 chars / row

* Factory setting	** Factory setting: "blank line"	*** Factory setting: "0"
-------------------	----------------------------------	--------------------------

To program the descriptor length, use code 322 (SELECT MACHINE FONT).

When you complete programming the sixth row, the cash register returns to the beginning of configuration mode.

17

## SET 303 - SET UP COURTESY PHRASES

---

### Operating procedure

- ❖ Programming code 320 set to **2** (enable courtesy message that is then customised using code 303).

1.                    **3 0 3 X**
2.    **[NUMERIC CHARACTERS] X** To select the logo you want to insert in the first row of the courtesy message.
3.                    **0 X** To position the logo on the left  
                         **1 X** To position the logo at the centre.  
                         **2 X** To position the logo on the right.
4.    **[ALPHANUMERIC CHARS] X** Customise the descriptor. Customisation is possible only if "0" has been chosen as the number of the logo.
5.                    **0 X** To set the character attribute "NORMAL". \*  
                         **1 X** To set the character attribute "DOUBLE-HEIGHT".
6.                    **0 X** To set the font character with 24 chars / row \*  
                         **1 X** To set the font character with 29 chars / row
7.    **Program the other rows**

---

\* Factory setting

---



## SET 304 - SET PAYMENT MODE PARAMETERS

This function is used to program forms of payment.

Payment forms are programmed according to the categories listed in the table. The various categories and their respective parameters are defined by entering the alphanumerical characters required and then confirming with the key **[X]**.

FUNCTION (PAYMENT FORM)	
CASH 1 (CASH)	
	DESCRIPTOR
CASH FROM 2 TO 6 (CURRENCIES)	
	DESCRIPTOR
	EXCHANGE
	DECIMALS
	ROUNDING
CHECKS 1 (CHECKS)	
	DESCRIPTOR
CREDIT 1 (CREDIT)	
	DESCRIPTOR
CREDIT 2 (CUSTOMER ACCOUNT)	
	DESCRIPTOR
CREDIT 3 (CHIPCARD)	
	DESCRIPTOR
CREDIT CARDS FROM 1 TO 5 (CREDIT CARDS)	
	DESCRIPTOR
NOT COLLECTED 1 (NOT COLLECTED)	
	DESCRIPTOR
LUNCHEON VOUCHER	

## PROGRAMMING LUNCHEON VOUCHERS

This function is used to program luncheon vouchers for up to 15 companies, a maximum of 15 different values or denominations being available for each company.

FUNCTION	PROGRAMMABLE FIELDS	FACTORY SETTINGS
Company description Denomination description Denomination value	Up to 24 alphanumerical chars. Up to 24 alphanumerical chars. Up to 6 numeric chars.	(PYMT.N.)LUNCH_11 Denom. 0,00

## Operating procedure

1. **[ALPHANUMERIC CHARACTERS]** to enter the company description (max. 24 chars)  
**[X]** to confirm the description and continue to program the voucher denominations
2. **[ALPHANUMERIC CHARACTERS]** to enter the denomination description (max. 24 chars)  
**[X]** to confirm and continue to program the denomination value
3. **[Subtotal]** to select the next COMPANY
5. **[Cash]** to return to the beginning of configuration mode.

## PROGRAMMING CURRENCIES

This code is used to define a descriptor for each of the currencies in use, its related exchange rate, a rounding value and the number of decimals.

FUNCTION	PROGRAMMABLE FIELDS	FACTORY SETTINGS
CURRENCY (1–5) EXCHANGE RATE DECIMALS ROUNDING	Up to 29 alphanumeric characters Up to 6 numerics (4+2 dec.) Up to 1 numeric (from 0 to 9) 0 = rounding to 0 1 = rounding to 4 2 = rounding to 5 3 = rounding to 9	CURRENCY 1 (1-5) 0,00 2 5

### SET 305 - SET GROUP DESCRIPTORS

---

This code is used to program the groups by which items of different origins but of the same general type can be categorised. The number of the groups available is 30 (unless set to a different number using option 102), for each of which a description can be programmed, a maximum of 29 alphanumerical characters in length.

#### Operating procedure

1.                                    

3	0	5	X
---	---	---	---
2.                                    

X
---

 To position on the first group to program.
3.                    **[ALPHANUMERIC CHARS]**

X
---

 To customise the descriptor for the merchandise category.

4.    **Proceed as described for steps 2 and 3 for the other merchandise categories.**

### SET 306 - ENABLE OBLIGATORY EXECUTION OF DAILY REPORT

---

The cash register date is updated automatically at midnight of each day. If execution of the daily report is programmed as obligatory, it is not possible to issue a new sales ticket after the date change until this report is run.

#### Operating procedure

7.   

3	0	6	X
---	---	---	---
8.                    

0	X
---	---

 To disable obligatory execution of the report on date change. \*
- |   |   |
|---|---|
| 1 | X |
|---|---|

 To enable obligatory execution of the report on date change.

---

\*    Factory setting

---

# SET 307 - SET UP DISCOUNT TABLE

This function allows you to program up to 9 percentage value discounts and 9 absolute value discounts (5 set by default).

## PROGRAMMABLE PARAMETERS

FUNCTION	PROGRAMMABLE FIELDS	FACTORY SETTING
<b>Percentage value discount</b>		
DESCRIPTION	Up to 15 alphanumeric characters	DISCNT PERC._1
Percentage discount	Up to 4 figures (2+2 dec.)	0,00
<b>Absolute value discount</b>		
DESCRIPTION	Up to 15 alphanumeric characters	DISCNT VALUE_1
Discount value (as absolute value)	Max. 8 figures for discount as an absolute value (6+2 dec.)	0,00

The maximum number of discounts and the maximum length of the description depend on the value set with option 102.

## Operating procedure

### Programming percent discounts

1.
2.  Customise descriptor  
or  
 confirm descriptor and continue to program the discount
3.  Set the percent discount
4.  continue to the next percent discount

### Programming absolute value discounts

5.  Customise descriptor  
or  
 confirm descriptor and continue to program the discount
6.  Set absolute value for discount (max. 8 characters, 6+2 dec.)
7.  continue to the next absolute value discount

- To delete the percentage value programmed, enter

## PROGRAMMABLE PARAMETERS

FUNCTION	PROGRAMMABLE FIELDS	FACTORY SETTING
Rate description Rate value (as percentage)	Max. 29 characters, alphanumeric 4 figures max. (from 0,01 to 99,98)	VAT_1 NO TAX

## Operating Procedure

- if the tax extraction reports have not been run, the message appears "RUN REPORTS".
- To cancel the percentage programmed, enter **0**

- 
- 23

**SET 309 - SET PERCENT MARKUP PARAMETERS**

This function is used to program up to 9 percentage value markups and 9 absolute value markups (set to 5 by default).

**PROGRAMMABLE PARAMETERS**

FUNCTION	PROGRAMMABLE FIELDS	FACTORY SETTING
<b>Percentage value markups</b>		
DESCRIPTION	Up to 10 alphanumeric characters	MRKUP PERC._1
Percentage discount	Up to 4 numerics (2+2 dec.)	0,00
<b>Absolute value markups</b>		
DESCRIPTION	Up to 15 alphanumeric characters	MRKUP VALUE_2
Value discount (absolute value)	Up to 8 numerics for the absolute value for the markup (6+2 dec.)	0,00

The maximum number of markups and the maximum length of the description depend on the value set with option 102.

**Operating procedure**

**Programming percentage discounts**

1. 

309X
2. 

[ALPHANUMERIC CHARS]X

 Customise descriptor  
or  

X

 confirm descriptor and continue to program markups.
3. 

[NUMERIC CHARACTERS]X

 Set percentage for markup
4. 

X

 continue to next percentage markup

**Programming absolute value discounts**

5. 

[ALPHANUMERIC CHARS]X

 Customise descriptor  
or  

X

 confirm descriptor and continue to program markup
6. 

[NUMERIC CHARACTERS]X

 Set absolute value for markup (max. 8 characters, 6+2 dec.)
7. 

X

 continue to next absolute value markup

- If you want to delete the percentage programmed, enter 

0

## SET 310 - SET MONEY ORDER DESCRIPTOR

---

This function is used to program a descriptor to associate with the RETURN function.

### Operating procedure

1.
2.  Customise descriptor. \*  
 (Up to 29 alphanumerical characters)

---

\* Factory setting: "RETURN"

---

## SET 311 - SET HALO VALUE FOR CHANGE

---

You can define a maximum amount that can be returned to the customer as change for payment of a sale. If during operation mode the amount that must be returned exceeds this limit, an error is signalled.

The maximum amount that can be set for change is between 0 and 999999 inclusive (6 figures + 2 decimals).

### Operating procedure

1.
2.   Set the maximum amount

## SET 312 - ENABLE OBLIGATORY CLOSURE OF CASH DRAWER

---

Controls the drawer state.

### Operating procedure

1.
2.   Disables control of drawer state\*  
  Enables control of drawer state.

---

\* Factory setting

---

## SET 314 - PRINT MACHINE CONFIGURATION

---

This function allows you to print the current configuration of the cash register at any time. This operation is useful to obtain a paper copy of how the cash register has been configured for the option SET 102, and relates mainly to these entities:

- WEEE CONTRIB.
- NO. OF DEPTS
- NO. PRICE LISTS
- DESCRIPTOR
- ENABLE GROUP LINK
- MAX. PRICE (HALO)
- MIN. PRICE (LALO)
- OFFER LINK
- REG PERIODIC 2
- NO. PLUs
- NO. OF KEYS
- NO. PAYMNT FORMS
- NO. OPERATORS
- NO. OFFERS N X M
- NO. DISCOUNTS (VALUE AND PERCENT)
- NO. OF MARKUPS (VALUE AND PERCENT))
- NO. OF MARKUP VALUE
- DESCRIPTOR
- PERIODIC 2 REG
- NO. GROUPS
- NO. VAT RATES
- NO. CUSTOMER ACCOUNTS
- PLU (BARCODES)

All the data set can be modified using option 102.

For each entity the maximum length allowed for the descriptor is specified.

### Operating procedure

1.
2. ☒ Start printing



## SET 315 – X MODE AUTOMATIC REPORT MANAGEMENT

## SET 316 - Z MODE AUTOMATIC REPORT MANAGEMENT

This function is used to program automatic printing of a number of reports. This means that with a single operation you can print all the reports programmed at the same time.

- **SET 315:** allows you to program sequential printing in X mode of a maximum of 16 reports (daily + periodic).
- **SET 316:** allows you to program sequential printing in Z mode of a maximum of 9 reports (daily only).

The configuration of this function depends on how SET 328 is set. If DISABLED ( ☐ ) the function is set for daily/periodic, if it is ENABLED ( ☒ ) the function is set for periodic 1/periodic 2.

The following table indicates the reports that can be printed automatically and their execution code:

REPORT <i>SET 328 = 0</i>	Reports screen key	Execution codes in X MODE (SET315)		Execution codes in Z MODE (SET316)	
		<i>Daily</i>	<i>Periodic</i>	<i>Daily</i>	<i>Periodic</i>
<i>SET 328 = 1</i>		Periodic1	Periodic2	Periodic1	Periodic2
Departments	Depts.	1	11	1	11
Management	Management	4	14	4	14
Till operations	Till operations	5	15	5	15
Hourly sales	Sales per hour	6		6	
Tax report	Tax extraction		20		20
Currencies	Currencies	7	17	7	17
Report Z10	Report (Z10)	10	10	10	10
Barcode reader- accessed PLUs	BCR PLUs	9	19	9	19
Invoices	Slip printer Documents	18	28	18	28
Operators	Operators	21	31	21	31
Luncheon voucher	Lunch vcr	25	35	25	35
Customer account	Cust. accounts	26	36	26	36
Customer account movements	Cust. Accs w movements	29	39		

### Operating procedure

1. ☐ 3 ☐ 1 ☐ 5 / ☐ 3 ☐ 1 ☐ 6 ☐ X
2. ☐ 0 ☒ X To disable printing of the report indicated on the operator display  
☐ 1 ☒ X To enable printing of the report indicated on the operator display
3. **Proceed with the remaining reports**

## SET 318 - ENABLE OBLIG. CALCULATION OF CHANGE

---

You can program the cash register so it must obligatorily calculate the change due to the customer on registering payment for a sales transaction. In this case, the operator must enter the amount received from the customer before finalising the ticket.

### Operating procedure

1.
2.   To disable the function for obligatory calculation of the change due \*  
  To enable the function for obligatory calculation of the change due

\* Factory setting

---

## SET 320 - SELECT COURTESY MESSAGE TYPE

---

### Operating procedure

1.
2.   To disable the courtesy message.  
  To enable the courtesy message programmed in the factory.  
(THANK YOU AND COME AGAIN SOON) \*
3.   Enable the message customised by the user using code 303

\* Factory setting

---

## SET 321 - ENABLE ZERO PRICE

---

To register a transaction involving a free gift it must be possible to register a zero price on the ticket for the item. This function allows you to enable or disable the possibility of registering zero prices for items.

### Operating procedure

1.
2.   To disable the sales function for zero price items. \*  
  To enable the sales function for zero price items.

---

\* Factory setting

---

## SET 322 - SELECT MACHINE FONT

---

With this code you can select the character font to be used when printing tickets.

### Operating procedure

1.
2.   Selects font type 1 to print up to 24 characters per row \*  
  Selects font type 2 to print up to 29 characters per row

---

\* Factory setting:

---

## SET 323 - SET ROLL FORMAT

---

Sets the size of the paper roll to be used.

### Operating procedure

1.
2.   Sets the roll width to 57 mm  
  Sets the roll width to 80 mm \*

---

\* Factory setting

---

# SET 324 - SELECT VAT DETAILS

This can be used to select the type of details to be printed for tax extraction at the bottom of the ticket.

## Operating procedure

13 ☒ 3 ☒ 2 ☒ 4 ☒ X

14 ☒ 0 ☒ No VAT Info

☒ 1 ☒ VAT info

☒ 2 ☒ VAT DETAILS \*

☒ 3 ☒ TAXBL. and VAT details

\* Factory settings

## 0 (No VAT Info)

YOUR RECEIPT  
THANK YOU

REGTR:	01
07-03-2011	11:12
TICKET NUMBER	4
DEPT. 1	10,00
DEPT. 2	20,00
DEPT. 3	30,00
TOTAL	60,00
CASH	60,00

HAVE A NICE DAY  
PLEASE COME AGAIN

## 2 (VAT DETAILS) Default setting

YOUR RECEIPT  
THANK YOU

REGTR:	01
07-03-2011	11:10
TICKET NUMBER	1
DEPT. 1	10,00 A
DEPT. 2	20,00 B
DEPT. 3	30,00 C
TOTAL	60,00
CASH	60,00

% VAT	TAXABL AMT	TAX AMT
A 19,00	8,40	1,60
B 20,00	16,67	3,33
C 21,00	24,79	5,21
	49,86	10,14

HAVE A NICE DAY  
PLEASE COME AGAIN

## 1 (VAT INFO)

YOUR RECEIPT  
THANK YOU

REGTR:	01
OPERATOR:	1
22-02-2012	14:57
TICKET NUMBER	1
DEPT. 1	10,00
DEPT. 2	20,00
DEPT. 3	30,00
TOTAL	60,00
CASH	60,00

VAT ASSOLVED

HAVE A NICE DAY  
PLEASE COME AGAIN

## 3 (TAXBL. AND VAT DETAILS)

YOUR RECEIPT  
THANK YOU

REGTR:	01
07-03-2011	11:10
TICKET NUMBER	2
DEPT. 1	10,00 A
DEPT. 2	20,00 B
DEPT. 3	30,00 C
TOTAL	60,00
CASH	60,00

A *TAXB AMT 19,00%	: 8,40
*VAT 19,00%	: 1,60
B *TAXB AMT 20,00%	: 16,67
*VAT 20,00%	: 3,33
C *TAXB AMT 21,00%	: 24,79
*VAT 21,00%	: 5,21

HAVE A NICE DAY  
PLEASE COME AGAIN

### SET 328 - SELECT RAPID UPDATE MODE

---

This function is used to select how to update the reports.

#### Operating procedure

**3** **2** **8** **X**

**0** **X**

**1** **X**

---

\* Factory setting

---

### SET 329 - ENABLE SINGLE ITEM SALES

---

This function is used to permit the sale of single items (quantity 1).

#### Operating procedure

1. **3** **2** **9** **X**

2. **0** **X** To disable single item sales. \*

3. **1** **X** To enable single item sales.

---

\* Factory setting

---

### SET 338 - SET HEADER LINES FOR INVOICE

---

#### INCREASING HEADER ROWS FOR TICKETS/INVOICES

On the cash register 8 additional rows can be programmed using code 338. These 8 rows are in addition to the ticket header rows that can be programmed using code 302.

Code 338 provides 8 additional rows that are “free”, that is, not restricted to entry of any particular type of field.

**Note:** the 7<sup>th</sup> row programmed using code 302 is reserved for entry of the VAT No. When printed, it appears on the ticket as the last row for code 302.

#### Operating procedure

PROGRAMMING ROWS FROM 1 TO 8

1. **3** **3** **8** **X**

2. **[ALPHANUMERIC CHARS]** **X** Enter characters for the type of attribute

3. **[ALPHANUMERIC CHARS]** **X** Continue with the other rows you want to program

**Note:** programming the other rows is the same as for programming for the ticket header (code 302).

### SET 339 - SET SIMPLIFIED INVOICE PARAMETERS

---

Sets the Invoice series for the specific cash register, and the initial number to use for numbering the invoices.

#### Operating procedure

1.                                **3** **3** **9** **X**
2.                **[ALPHANUMERIC CHARS]** **X**    Set invoice series, maximum 3 alphanumerical characters
3.                                **[NUMERIC CHARS]** **X**    Program the invoice number, maximum 5 numeric characters

### SET 340 - SET WEEE GENERIC MESSAGE DESCRIPTORS

---

Using code 340 you can program a customisation message relative to the WEEE eco-contribution, composed of 3 rows (of 24/29 characters). Only the descriptor is set, not the attribute.  
This is printed at the end of the ticket if WEEE with specific amount mode is enabled for the ticket.

#### Operating procedure

1.                                **3** **4** **0** **X**    To customise the descriptive message for the eco-contribution
2.                **[ALPHANUMERIC CHARS]** **X**    Customise the first row of the message.
3.    **Program the remaining rows**

### SET 341 - SET WEEE MESSAGE VALUE DESCRIPTORS

---

Using code 341 you can program a customisation message related to the WEEE eco-contribution composed of 3 rows each of a maximum of 29 characters (24/29 characters). Only the descriptor is set, not the attribute.  
The descriptor is printed at the bottom of the ticket if WEEE with generic amount mode is enabled for the ticket.

#### Operating procedure

1.                                **3** **4** **1** **X**    Customise the descriptive message for the eco-contribution
2.                **[ALPHANUMERIC CHARACTERS]** **X**    Customise the first row of the message.
3.    **Program the remaining rows**

## SET 342 - SET PROFORMA RECEIPT MESSAGE

---

Set the proforma message consisting of a maximum of 2 rows.

### Operating procedure

1.
2. **LINE 1**  Line 1 of the message that can be edited using alphanumerical characters
3. **ATTR. NORM.**  
  To use a character with a normal height for the message  
  To use a character of double height for the message (ATTR.D.HGT.).
4. **24 CHARS/ROW**  
  To use a character for the message with 24CHARS/ROW  
  To use a character for the message with 29CHARS/ROW
5. **LINE 2**  Line 2 of the message that can be edited with alphanumerical characters  
Repeat steps 3 and 4 of the procedure.

## SET 345 – SAVE DATABASE DATA AND DEF. SETTINGS

---

Code **345** can be used to save the following types of data on the pen: all cash register programming data (configuration set-up), the database descriptive part, accounting data used by the cash register for generating Management reports.

### Operating Procedure

1. Insert the USB pen into the cash register.  
**Note:** If you try to save the data without first inserting the pen, an error is displayed: "STICK NOT INSERTED".
2. Select configuration (**CONFIG**) mode for the register.
3. 

3	4	5	X
---	---	---	---

 On the display the message appears: "345-WRITING DATA/WAIT" and writing the data starts.
  - a. If the data is written successfully, the message is displayed: "WRITING EXECUTED/REMOVE STICK"
  - b. If during writing errors are encountered, a warning is displayed: "ERROR WRITING/REMOVE STICK".**Note:** Try repeating the procedure, making sure that the pen is inserted correctly. If the error re-occurs, contact Technical Services.
4. Remove the pen. The machine automatically enters SET (configuration) mode when the pen is removed.

### Checking the data saved

Insert the USB pen into a USB port on the computer to check the data saved, and that the following files are present in the "presetting\_files" folder:

- Datapresetfile.csv: saves the current date
- DBxxxxxDesc.csv: DB descriptive part
- DBxxxxxField.csv: DB periodic 1 and periodic 2
- DBxxxxxStruct.txt: DB formatting string in binary format
- DescriptorsPresetFile: Descriptor-type variables (presetting)
- FlagsPresetFile: Flag-type variables (presetting)
- KbdFile: Keypad programming
- NumbersPresetFile: Number-type variables (presetting)
- PermissionLevelFile: Permission levels associated with keypad functions
- RegistersPresetFile: Register-type variables (presetting)
- presetting: the presence of this empty file (size 0) confirms that the files have been saved)
- ASNTfile: these are two files named asntdescriptorspresetfile.csv and asntnumberspresetfile.csv
- LOGOfile: infodescxxxx.txt and logfile.txt.

*xxxxx represents the name of each database. For each type of database, three files are present in the folder.*



The files present on the pen, organised as described above (DBxxxxxDesc.csv, DBxxxxxField.csv, DBxxxxxStruct.txt) have the following structure:

File name	Description
Department	Department database
DiscountMarkUp	Discount and markup tables
Group	Merchandise groups
Hourly	Hourly sales
InternalClientAccount	Customer accounts
InternalPlu	PLUs accessed by number (1-250)
Operator	Operators
OperatorPayment	Payment types related to the operators
Payment	Payment types
Plu	PLUs accessible using barcode reader
Promotions	Sales offers
Vat (Invoice, Ticket with information of type Desc and Field, and a unique file for the Struct type.)	VAT table (VAT for invoices, VAT for tickets).

**Note:** if the files present on the pen do not correspond with those described in the table, or if the space they occupy is 0 bytes, try repeating the procedure on another USB pen making sure first that it is functional and inserted correctly.

## SET 346 – RESTORE DATABASE DATA AND DEF. SETTINGS

---

The SET 346 option restores the following types of information to the cash register:

- descriptive part (all data saved by the user excluding accounting data) of all the databases present on the cash register
- all the cash register preset parameters, excluding logos.

### Operating Procedure

1. Insert the USB pen into the cash register.  
**Note:** If you try restoring the data without first inserting the pen, an error is displayed: "STICK NOT INSERTED".  
**Note:** Before proceeding you may have to print the management reports indicated by the cash register. You will not be allowed to proceed with the restore operation until you do so.
2. Select SET mode for the register.
3.     On the display the message appears:  
"DESTRUCTIVE OPER. PROCEED?"  
Press the  key to continue.  
You are asked if you want to format or not:  
"FORMAT? ENABLED: 1, DISABLED: 0."  
If you choose 1 the data in the cash register is deleted, if you choose 0 the data is maintained.  
At the end, a message is shown on the screen:  
"346-READING DATA/WAIT" and reading of the data starts.
  - a. If the data on the pen is read successfully, the message is displayed: "READ EXECUTED/REMOVE STICK"
  - b. If, however, errors have occurred during reading, the warning appears "READ ERROR/REMOVE STICK".**Note:** Try repeating the procedure, making sure that the pen is inserted correctly. If the error re-occurs, contact Technical Services.
4. The procedure has completed. The register prints a ticket (ECR CONFIGURATION) that shows the current configuration of the cash register. The ticket is saved in the EJ.
5. Remove the pen. When the USB pen is removed, the machine automatically enters SET mode.

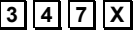
## SET 347 - RESET BCR PLU DATA

---

Code 347 restores the cash register with the data relative to the PLUs accessed via the barcode reader and set up by the user. The data is read from a USB pen (the data restored is that saved using code 345).

**Note:** when the data of PLUs accessible via barcode reader is restored, the previous PLU data on the cash register is lost without possibility of retrieval.

### Operating procedure

1. Insert the USB key into the cash register.  
**Note:** if you try to restore the data without having inserted the pen, an error is displayed "STICK NOT INSERTED".  
**Note:** before proceeding it may be necessary to print the Management reports indicated by the cash register. If the reports are not executed it will not be possible to proceed with the restore.
2. Set the register to configuration mode.
3.  On the screen, the message appears:  
"347-READING DATA/WAIT" and reading of the data starts.  
During this phase, the following conditions could occur:
  - a. If reading of the data on the pen completes successfully, the message is displayed:  
"READING EXECUTED/REMOVE STICK".
  - b. If, during reading, errors are encountered, the following error is displayed:  
"READ ERROR/REMOVE STICK".**Note:** Try repeating the procedure, making sure that the pen is inserted correctly. If the error re-occurs, contact Technical Services.
4. When the procedure terminates, the register prints a ticket with the header "347- DATA READING".  
The ticket is saved in the EJ.
5. Remove the pen.  
When the USB pen is removed, the register positions automatically at the beginning of configuration mode, displaying the message "SET/0".

## SET 348 - SAVING THE USER CONFIGURATION (DATABASE) OF THE CASH REGISTER

---

Code 348 saves the user configuration (DATABASE) of the cash register.

### Operating Procedure

1. Insert the USB pen into the cash register.  
**Note:** If you try to save the data without first inserting the pen, an error is displayed: "STICK NOT INSERTED".
2. Select SET (**CONFIG**) mode for the register.
3. 3 4 8 X On the display the message appears: "348-WRITING DATA/WAIT" and writing of the data starts.
  - a. If the data is written to the pen successfully, a message is displayed "WRITING EXECUTED/REMOVE STICK"
  - b. If, however, errors are encountered during writing, an error is displayed: "WRITE ERROR/REMOVE STICK".**Note:** Try repeating the procedure, making sure that the pen is inserted correctly. If the error re-occurs, contact Technical Services.  
Remove the pen.  
On removal of the USB pen, the machine automatically enters SET mode.

## SET 349 - RESTORING THE USER CONFIGURATION (DATABASE) OF THE CASH REGISTER

---

Option SET 349 restores the user configuration (DATABASE) of the cash register.

### Preliminary Operations

Data archival on the USB pen performed using the option SET 348 saves the data in a file “<cashregisterid>-database.tar” archived in the folder [crf7100\database].

To be able to restore the data again using the SET 349 command, you must rename the file from “<cashregisterid>-database.tar” to database.tar using a PC.

### Operating Procedure

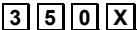
1. Insert the USB pen into the cash register.  
**Note:** If you try to restore the data without first inserting the pen, an error is displayed: “STICK NOT INSERTED”.  
**Note:** Before proceeding, it may be necessary to print the Management reports indicated by the cash register (ACTIVE ACCOUNT). You will not be allowed to proceed with the restore operation until you do so.
2. Select SET mode for the register.
3. 3 4 9 X On the display the warning appears:  
“DESTRUCTIVE OPER. PROCEED?”  
Press the X key to continue.  
You are asked if you want to format or not:  
“FORMAT? ENABLED: 1, DISABLED: 0.”  
If you choose 1, the data in the cash register is deleted, if you choose 0 the data is maintained.  
At the end, a message is shown on the screen:  
“346-READING DATA/WAIT” and reading of the data starts.
  - a. If the data on the pen is read successfully, the message is displayed:  
“READ EXECUTED/REMOVE STICK”
  - b. If, however, errors have occurred during reading, the warning appears  
“READ ERROR/REMOVE STICK”.**Note:** Try repeating the procedure, making sure that the pen is inserted correctly. If the error re-occurs, contact Technical Services.
4. The procedure has completed. The register prints a ticket (ECR CONFIGURATION) that shows the current configuration of the cash register. The ticket is saved in the EJ.
5. Remove the pen. When the USB pen is removed, the machine automatically enters SET mode.

## SET 350 - MAKING A SECURITY (BACKUP) COPY OF THE CASH REGISTER ON A USB PEN

---

Code 350 makes a security, backup, copy of the cash register.

### Operating Procedure

1. Insert the USB pen into the cash register.  
**Note:** If you try saving the data without first inserting the pen, an error is displayed: "STICK NOT INSERTED".
2. Select configuration mode (**CONFIG**) for the register.
3.  On the display the message appears: "350-WRITING DATA/WAIT" and writing of the data starts.
  - a. If the data is written to the pen successfully, the message is displayed: "WRITING EXECUTED/REMOVE STICK"
  - b. If, however, errors have occurred during writing, the warning appears: "WRITE ERROR/REMOVE STICK".**Note:** Try repeating the procedure, making sure that the pen is inserted correctly. If the error re-occurs, contact Technical Services.  
Remove the pen.  
When the USB pen is removed, the machine automatically enters SET mode.

## SET 351 - RESTORE USER DATA

---

Code 351 restores a backup copy of the cash register that was previously saved.

### Preliminary Operations

Data archival on the USB pen executed with the option SET 350 is saved in a file “<daymonthyear-cashregisterid>-backup.tar” archived in the folder [crf7100\backup]. To be able to restore it using the SET 351 command, you must rename it from: “<daymonthyear>-backup.tar” to **backup.tar** on a PC.

**Note:** More than one backup copy could be present. Choose the most appropriate one using as a reference the archival date.

### Operating Procedure

1. Insert the USB pen into the cash register.  
**Note:** If you try to restore the data without first inserting the pen, an error is displayed: “STICK NOT INSERTED”.  
**Note:** Before proceeding, you may be required to print the Management reports indicated by the cash register (ACTIVE ACCOUNT). You will not be allowed to proceed with the restore operation until you do so.
2. Select SET mode for the register.
3.     On the display the message appears:  
“DESTRUCTIVE OPER. PROCEED?”.  
Press the  key to continue.  
On the display you are asked if you want to format or not:  
“FORMAT? ENABLED: 1, DISABLED: 0.”  
If you choose 1 the data in the cash register is deleted, if you choose 0 the data is maintained  
At the end, a message is shown on the display:  
“346-READING DATA/WAIT” and reading of the data starts.  
a. If the data on the pen is read successfully, the message is displayed:  
“READ EXECUTED/REMOVE STICK”  
b. If, however, errors have occurred during reading, the warning appears  
“READ ERROR/REMOVE STICK”.  
**Note:** Try repeating the procedure, making sure that the pen is inserted correctly. If the error re-occurs, contact Technical Services
4. The procedure has completed. The register prints a ticket (ECR CONFIGURATION) that shows the current configuration of the cash register. The ticket is saved in the EJ.
5. Remove the pen. When the USB pen is removed, the machine automatically enters SET mode.

## SET 352 - SELECT ADD MODE TYPE

---

The cash register is programmed in the factory so that the decimal point is inserted automatically only when prices consisting of whole numbers are entered (e.g. Euro 12,00). Therefore, when entering a price containing cents (e.g. Euro 12,35), you must enter the decimal point after the whole number (12).

### Operating procedure

1.
2.       Disables the automatic decimal point function \*  
         Enables the automatic decimal point function.  
         Enables the function for sales amounts only, not for quantities

---

\*     Factory setting

---

## SET 355 - ENABLE CUTTER

---

This function allows you to enable or disable the automatic cutting by the cutter.

### Operating procedure

1.
2.       To disable automatic cutting  
         To enable automatic cutting



## SET 356 - ENABLE ACOUSTIC WARNING FOR BARCODE READER

---

This function allows you to enable or disable the acoustic signal that, during use of the barcode reader, indicates when the item's barcode has been read.

### Operating procedure

1.
2.          To disable management of the acoustic signal.  
           To enable management of the acoustic signal. \*

---

\*    Factory setting

---

## SET 358 - ENABLE REPORT SAVING ON EJ

---

This function allows you to enable or disable registration of Management reports in "X" - "Z" mode.

### Operating procedure

1.
2.          To disable registration of management tickets in "X" - "Z" mode on EJ. \*  
           To enable registration of management tickets in "X" - "Z" mode on EJ.

---

\*    Factory setting

---

## SET 359 - ENABLE BCR PRINTING

---

This function allows you to enable or disable printing on the sales ticket of the barcode read by the barcode reader, in addition to the description of the item sold.

### Operating procedure

1.
2.          To disable printing of the barcode. \*  
           To enable printing of the barcode.

---

\*    Factory setting

---

## SET 360 - ENABLE PASSWORD MANAGEMENT

---

The cash register is supplied with access code management disabled and with the following values for the predefined codes :

VALUE	DESCRIPTION
111111	Supervisor code
222222	Cashier code

### Operating procedure

1.
2.   To disable access code management. \*
- To enable access code management

---

\* Factory setting:

---

## SET 361 - SET SUPERVISOR PASSWORD

---

### PROGRAMMABLE PARAMETERS

FUNCTION	PROGRAMMABLE FIELDS	FACTORY SETTING
CODE	Up to 6 numeric characters	111111

### Operating procedure

1.
2. **[NUMERIC CHARACTERS]**  Set predefined code or, if already modified, the supervisor code.
3. **[NUMERIC CHARACTERS]**  Set the new code
4.  Confirm the new code  
 Cancel the new code

### SET 362 - SET CASHIER PASSWORD

#### PROGRAMMABLE PARAMETERS

FUNCTION	PROGRAMMABLE FIELDS	FACTORY SETTINGS
CODE	Up to 6 numeric characters	222222

#### Operating procedure

1.
2.    **[NUMERIC CHARACTERS]**  Set the predefined cashier code or, if already modified, one of the two codes set.
3.    **[NUMERIC CHARACTERS]**  Set the new code
4.                     Confirm the new code  
                          Cancel the new code

### SET 363 - SELECT NO. TICKETS ON EJ TO PRINT

This function allows you to select the number of tickets on the EJ to print.

#### Operating procedure

3.
4.                    **NUMBER** Enter the number of tickets on EJ to print. \*

---

\* Factory setting is 10

---

### SET 364 - SELECT TYPE AND THRSOLD. VALUE FOR EJ END

This function allows you to program a threshold value for the amount of space still left on the EJ.

When the threshold value is reached it is signalled via a message printed as an appendix to the closure report, and repeated for each closure until the EJ in use is replaced.

#### Operating procedure

1.
2.                      To set a threshold expressed in days.  
                           To set a threshold expressed as a percentage. \*  
                           To set a threshold expressed in MB.
3.    **[NUMERIC CHARS]**  Threshold value expressed in days (2 chars max.)  
      **[NUMERIC CHARS]**  Threshold value expressed as a percentage. \*\* (3 chars max.)  
      **[NUMERIC CHARS]**  Threshold value expressed in MB (3 chars max.)

---

\* Factory setting: "1"

---

\*\* Factory setting: "5"

---

## SET 365 - SAVE ALL TICKETS ON EJ

Data registration on the EJ is managed is based on the following criteria:

Ticket types	Registration on EJ
Sales Tickets	Yes
Management tickets in "REG" mode	Depending on how <b>SET</b> mode ( <b>code 365</b> ) is programmed: the whole ticket or only the reference
Management reports in "X" - "Z" mode	Depending on how <b>SET</b> mode ( <b>code 358</b> ) is programmed: the whole ticket or only the reference
Management tickets "invoice / receipt copy	Depending on how <b>SET</b> mode ( <b>code 950</b> ) is programmed: the whole ticket or only the reference
Management tickets in "SET" mode	Only the reference
EJ read tickets	Only the reference

Programming code **SET 365**.

This function is used to enable or disable registration of management tickets in "REG" mode.

### Operating procedure

- ☐ 3 ☐ 6 ☐ 5 ☒ X
- ☐ 0 ☒ X To disable the function for registering management tickets in "REG" mode on the EJ.  
☐ 1 ☒ X To enable the function for registering management tickets in "REG" mode on the EJ. \*

---

\* Factory setting

---

## SET 366 - ENABLE MULTIPLE TICKETS

---

For multiple tickets, allows you to program whether sales items are grouped according to merchandise categories or departments.

### Operating procedure

1.
2.   To disable the function  
  To enable the function
3.   Selects grouping by department  
  Selects grouping by merchandise category
4.   Manual  
  Automatic

## SET 367 - ENABLE PRINTING OF ARTICLES SOLD

---

Enables printing of the number of transactions or items sold on the sales ticket.

In SET mode, code 367 can be programmed to enable printing on the sales ticket of the number of transactions or items sold.

On entering code 367 for SET, the following is displayed :

- PRICE = 0
- ITEM = 1

Pressing the key  after choosing either PRICE or ITEM, you are requested to enable or disable whether it is printed on the ticket:

- DISABLED = 0
- ENABLED = 1

Press the key  to end programming.

## SET 368 - ENABLE TILL TOTAL DISPLAY

---

Using this function you can enable/disable printing of the till total on the deposit/withdrawal ticket, and for function SET 150.

**Enter the access code of the supervisor, by default 111111, or check the access code setting using option SET361.**

### Operating procedure

1.
2.      To disable displaying/printing of the till total on the deposit/withdrawal ticket and for function SET150.  
        To enable displaying/printing of the till total on the deposit/withdrawal ticket and for function SET150

## SET 370 - ENABLE OPERATORS

---

### Operating procedure

1.
2.      To disable operator management  
        To enable operator management
3.      To disable printing of the operator report on shift closure  
        To enable printing of the operator report on shift closure (default setting).  
      [ALPHANUM. Enter the access code of the supervisor, by default 111111, or check  
      CHARACTERS] the access code set using the option SET361.
4.      To disable printing of the till total on the operator report  
        To enable printing of the till total on the operator report

## SET 371 - ENABLE CUSTOMER ACCOUNTS

---

### Operating procedure

1.
2.      To disable customer account management  
        To enable customer account management
3.      To copy the disabled account  
        To copy the enabled account

### SET 372 - SET OFFER VALUES

This function allows you to program up to 5 offers; for each offer you can program a 4-row descriptor.

FUNCTION	PROGRAMMABLE FIELDS	FACTORY SETTINGS
Offer description Offer	6 rows, each max. 24 chars Value "N" and value "M"	LINE_1 0

The length of the programmable fields depend on the value set using option 102.

#### Operating procedure

1.
2.   to customise the first row of the descriptor for the first offer and continue to the next row  
or  
  
or to confirm the descriptor row and continue to the next row  
 to select the next offer
3.   to set the number "N"
4.   to set a number "M" less than "N", but not equal to 0
5.  to continue to program the next offer

### SET 375 - PRINT TICKET INFORMATION

This function allows you to print the programming of the ticket executed with code 304.

#### Operating procedure

1.     Prints the programming

### SET 380 - WAIT FOR DISPLAY SWITCH-OFF

#### Operating procedure

1.
2.  Time value expressed in minutes (from 0 to 255) to set for the time delay before the touch screen is switched off

## Operating procedure

- ## SET 390 - PRINT SERIES 390 OPTIONS LIST

## Operating procedure

1. **3 9 0 X** Start printing. If the chipcard is not inserted, when it is subsequently inserted, printing starts automatically.

## SET 391 - CHIPCARD FORMATTING MANAGEMENT

This procedure can be used to format the chipcard with the dealer information. If the chipcard has already been used, any data present on it must first be deleted.

The programmable parameters are the following:

FUNCTION	PROGRAMMABLE PARAMETERS
<p><b>Unique Card</b></p> <p>If the chipcard is not configured as unique, its use is permitted without entering the dealer's secret code set using code 396.</p> <p>However, if the chipcard is configured as unique, it can only be used after entering the dealer's secret code set using code 396.</p>	<p>(0=no 1=yes)</p>
<p><b>Dealer VAT No.</b></p>	<p>Optional parameter</p>

## Operating procedure

3. 

3	9	1	X
---	---	---	---
4. 

0	X
1	X

 Unique card = no  
Unique card = yes
3. **[Numeric characters]**

X
---

 To enter the VAT No. of the dealer  
(optional parameter)



## SET 392 - CHIPCARD PROGRAMMING INFORMATION

This procedure is used to initialise the chipcard with the information necessary for its use, and for identifying the customer.

This programming can be performed only when the net balance between deposits, withdrawals and payments using the chipcard is = 0.

FUNCTION	PROGRAMMABLE PARAMETERS
<b>Card Identifier</b>	
- Public circuit or private card	(1=circ. 0=private)
- Fidelity card	(0=No 1=Yes)
- Electronic wallet card	(0=No 1= Yes)
- Credit limit (loan)	(max. 8 digits)
- Chain store code	(max. 2 alphanumerical chars.)
- Shop code	(max. 2 alphanumerical chars.)
- Expiry date	(dd-mm-yyyy)
<b>Customer Identifier</b>	
Customer code	(alphanumeric, max. 4 chars.)
Name and surname	(alphanumeric, max. 22 chars.)
T.C. or VAT No.	(16 chars for T.C., 11 chars for VAT No.)
Address	(alphanumeric, max. 22 chars.)
Town and Postcode	(alphanumeric, max. 22 chars.)
Date of birth	(dd-mm-yyyy)
<b>Public circuit card</b>	A card programmed as public circuit can be used without the need to enter a secret code defined using code 395.
<b>Private card</b>	A card programmed as private can only be used together with the card's secret code defined using code 395.
<b>Fidelity card</b>	Card programmed for calculating reward points or stamps.
<b>Electronic wallet card</b>	Card that can be programmed to permit deposit and withdrawal operations. To use the electronic wallet, a specific secret code must be set for it using code 397.
<b>Expiry date</b>	On expiry, the card can no longer be programmed but only read.

3.	<table border="1"><tr><td>3</td><td>9</td><td>2</td><td>X</td></tr></table>	3	9	2	X	
3	9	2	X			
3.	<table border="1"><tr><td>1</td><td>X</td><td>0</td><td>X</td></tr></table>	1	X	0	X	Public Circuit card = 1 / Private card = 0 <sup>(1)</sup>
1	X	0	X			
4.	<table border="1"><tr><td>1</td><td>X</td><td>0</td><td>X</td></tr></table>	1	X	0	X	Fidelity card = 1 / Fidelity card = 0
1	X	0	X			
5.	<table border="1"><tr><td>1</td><td>X</td><td>0</td><td>X</td></tr></table>	1	X	0	X	Electronic wallet = 1 <sup>(2)</sup> / Electronic wallet = 0
1	X	0	X			
6.	[ <b>Numeric characters</b> ]	<table border="1"><tr><td>X</td></tr></table> To program the maximum credit limit 999 999,99 <sup>(3)</sup>	X			
X						
7.	[ <b>Alphanumeric chars</b> ]	<table border="1"><tr><td>X</td></tr></table> Chain store code - not supported	X			
X						
8.	[ <b>Alphanumeric chars</b> ]	<table border="1"><tr><td>X</td></tr></table> Shop code - not supported	X			
X						
9.	[ <b>dd-mm-yyyy</b> ]	<table border="1"><tr><td>X</td></tr></table> To enter the expiry date for the card <sup>(4)</sup> (*) The message " <b>Reactivate card?</b> " appears when the card has expired or a new card is inserted	X			
X						
		<table border="1"><tr><td>X</td></tr></table> confirm	X			
X						
		<table border="1"><tr><td>C</td></tr></table> cancel	C			
C						
10.	[ <b>Alphanumeric chars</b> ]	<table border="1"><tr><td>X</td></tr></table> Customer code - not supported	X			
X						
11.	[ <b>Alphanumeric chars</b> ]	<table border="1"><tr><td>X</td></tr></table> Enter customer Name and Surname (max. 22 chars) (*)	X			
X						
12.	[ <b>Alphanumeric chars</b> ]	<table border="1"><tr><td>X</td></tr></table> Enter Tax Code or Vat Number (16 or 11 chars max.) (*)	X			
X						
13.	[ <b>Alphanumeric chars</b> ]	<table border="1"><tr><td>X</td></tr></table> Enter customer's address (22 chars max.) (*)	X			
X						
14.	[ <b>Alphanumeric chars</b> ]	<table border="1"><tr><td>X</td></tr></table> Enter customer's town and postcode (22 chars max.)	X			
X						
15.	[ <b>Numeric characters</b> ]	<table border="1"><tr><td>X</td></tr></table> Enter the customer's date of birth (22 chars max.) (*)	X			
X						

- (1) If the card is programmed as private without a secret code having been programmed for it (using code 395), the machine assumes the default value (0000)
- (2) If you want to control use of the wallet by means of a secret code, remember to program the secret code before enabling the wallet.
- (3) This parameter is requested only if the electronic wallet is enabled.
- (4) A date preceding the card registration date on the cash register is not allowed.  
In the case of "card expired" the card can be read only.  
In the case of "card expired", you can reactivate the card by modifying this parameter.

## SET 393 - CHIPCARD DELETION

---

The contents of the chipcard programmed using code 392 can be completely deleted using code 393.

This deletion operation however does not delete the configuration performed by formatting (using code 391), but it makes it possible again.

The Chipcard must be inserted into the cash register.

The net balance between deposits, withdrawals and payments must be = 0

### Operating procedure

1.
2.                      Cancel  
                        Starts deletion procedure

### - Card extraction -

3.                      Return to the beginning of configuration mode.  
                        Restart the delete procedure for another card

## SET 394 - CHIPCARD DUPLICATION

---

Makes a full copy of a chipcard to another chipcard of the data registered using code 392.

The chipcard to which to copy data must have been formatted previously using code 391.

### Operating procedure

1.                        Message for insertion of chipcard if the card to be copied is not inserted.  

or

    Message for extraction of the chipcard if the card to be copied is inserted. The contents of the card are read and saved in memory.  
Message to insert the card to which you want to copy the data.
2.    - **Card insertion** -                    The copied data is written to the new chipcard.  
   Card extraction message. The card has been copied.
3.    - **Card extraction** -
4.                      Returns to the beginning of configuration mode  
                        Starts the procedure again to copy another card

## SET 395 - CHIPCARD CODE MANAGEMENT

---

You can configure the card with its own secret code. Programming the chipcard as "PRIVATE" using code 392, the cash register recognises only chipcards responding to the secret code PSWCARD.

The PSWCARD is composed of a maximum of 4 alphanumerical chars. and must be entered before programming the card as "PRIVATE".

When programming the password, the chipcard must not be inserted in the cash register.

### Operating procedure

1.
2.        *[Alphanumeric chars]*  To enter the secret code

## SET 396 - DEALER CHIPCARD CODE MANAGEMENT

---

If you intend to control use of the card by means of a secret code, you must first enter the secret code **PSWCONC** and then configure the card as **unique card**. PSWCONC is composed of max. 4 alphanumerical chars.

When programming the password, the chipcard must not be inserted in the cash register.

### Operating procedure

1.
2.        *[Alphanumeric chars]*  To enter the secret code

## SET 397 - WALLET CHIPCARD CODE MANAGEMENT

---

Use of the card as an electronic wallet can be protected by a secret code, PSWBORS.

PSWBORS is composed of max. 4 alphanumerical chars.

When programming the secret code, the chipcard must not be inserted in the cash register.

### Operating procedure

1.                    **3** **9** **7** **X**
2.    **[Alphanumeric chars]** **X**      To enter the secret code

## SET 398 - CHIPCARD PNTS MANAGEMENT

---

When the chipcard is ENABLED as a Fidelity card, you can add or subtract points from the total number recorded on it.

### Operating procedure

1.                    **3** **9** **8** **X**      Message for insertion of the chipcard if the card is not already inserted
2.                                       The current number of points appears.
3.                                       **X**  
                         **0** **X**      Starts the procedure for subtracting points
- 1** **X**      Starts the procedure for adding points
4.    **[Alphanumeric chars]** **X**      Number of points to add or subtract

## SET 400 - PRINT SERIES 400 OPTIONS LIST

---

This function allows you to print the department programming: the departments printed are only those for which a VAT rate reference is programmed.

### Operating procedure

1.                    **4** **0** **0**
2.                    **X**      Start printing

Programming printing can be interrupted by pressing the key **C**

## SET 401 - SET INFORMATION FOR EACH DEPARTMENT

### Programmable Parameters

For each department a number of parameters can be programmed, as indicated below:

	FUNCTION	PROGRAMMABLE FIELDS	FAC. SET.
1.	Department description	Max. 29 characters, alphanumeric	DEPT_nn
2.	Sale Price for Price list 1	Max. 8 figures (6+2 dec.)	0,00
3.	Sale Price for Price list 2	Max. 8 figures (6+2 dec.)	0,00
4.	Sale Price for Price list 3	Max. 8 figures (6+2 dec.)	0,00
5.	Sale Price for Price list 4	Max. 8 figures (6+2 dec.)	0,00
6.	Eco-contribution amount*	Max. 6 figures (4+2 dec.)	0,00
7.	Maximum Price (HALO)	Max. 8 figures (6+2 dec.)	0,00
8.	Minimum Price (LALO)	Max. 8 figures (6+2 dec.)	0,00
9.	VAT Rate reference	Max. from 0 to 8	NO TAX
10.	Merchandise Group reference	Max. 2 figures (max. 30)	0
11.	Enable Return (order)	0 = disabled / 1 = enabled	1
12.	Enable Discount	0 = disabled / 1 = enabled	1
13.	Enable Goods Refund	0 = disabled / 1 = enabled	1
14.	Enable Single item	0 = disabled / 1 = enabled	1
15.	Enable Bypass saved price	0 = disabled / 1 = enabled	1
16.	Offer reference*	Max. 1 figure (depends on the max. value set)	0

The following table shows the result obtained during the sales phase from programming the various functions:

FUNCTION	RESULT
Department description	The department description is printed on the ticket
Sale Price for Price List 1	Sale price will be printed when the department key is pressed (with key "List 1")
Sale Price for Price List 2	Sale price will be printed when the department key is pressed (with key "List 2")
Sale Price for Price List 3	Sale price will be printed when the department key is pressed (with key "List 3")
Sale Price for Price List 4	Sale price will be printed when the department key is pressed (with key "List 4")
Eco-contribution reference*	Value printed on the sales ticket corresponding to the product sold
Maximum Price (HALO)	An item sale will not be permitted if the price entered at the keypad is higher than that programmed here.
Minimum Price (LALO)	An item sale will not be permitted if the price entered at the keypad is lower than that programmed here.
VAT Rate reference	Reference to programmed VAT rate (from 0 to 8) that allows calculation of the tax related to the sale by department
Merchandise Group reference	Sales will be assigned to the programmed merchandise group, and included in the final reports
Enable Return	If enabled, return operations can be performed for the department

\* If programmed for option SET102.



## SET 451 - PRINT INFORMATION OF ALL EJ USED BY MACHINE

---

This function is not supported by the cash register.

## SET 452 - PRINT TICKET SELECTED BY NUMBER

---

This function is used to print a selected ticket. Follow the steps described in the procedure below.

### Operating procedure

1.
2.  Select the type of ticket from:  
 all types  
 invoice  
 receipt  
and press
3.  Enter the number of the ticket and press
4.  Enter the ticket date in the format DD-MM-YYYY and press

**Note:** if the ticket selected is not present, a message is displayed: TICKET MISSING.

**Note:** printing can be interrupted by pressing the key **C**.

## SET 453 - PRINT TICKETS OF A GIVEN DATE

---

This function can be used to print the tickets issued on a certain date. Follow the steps described in the procedure.

### Operating procedure

1.
2.  Select the type of ticket from:  
 all types  
 invoice  
 receipt  
and press
3.  Enter the ticket date in the format DD-MM-YYYY and press

**Note:** if the ticket selected is not found, a message is printed: TICKET MISSING.

**Note:** printing can be interrupted by pressing the key **C**.



## SET 454 - PRINT TICKETS COMPRISED BETWEEN TWO NUMBERS

---

This function allows you to print the tickets comprised between two numbers following the steps described in the procedure.

### Operating procedure

1.
2.  Select the ticket type from:  
 all types  
 invoice  
 receipt  
and press
3.  Enter the number of the first ticket and press
4.  Enter the date of the first ticket in the format DD-MM-YYYY and press
5.  Enter the number of the second ticket and press
6.  Enter the date of the second ticket in the format DD-MM-YYYY and press

**Note:** if the selected ticket is not found, a message is displayed: TICKET MISSING.

**Note:** printing can be interrupted by pressing the key **C**.

## SET 455 - PRINT TICKETS COMPRISED BETWEEN TWO DATES

---

This function allows you to print the tickets comprised between two dates. Follow the steps described in the procedure below.

### Operating procedure

1.
2.  Select the ticket type from:  
 all types  
 invoice  
 receipt  
and press
3.  Enter the date of the first ticket in the format DD-MM-YYYY and press
4.  Enter the date of the second ticket in the format DD-MM-YYYY and press

**Note:** if the selected ticket is not found, a message is displayed: TICKET MISSING.

**Note:** printing can be interrupted by pressing the key **C**.

## SET 458 - FULL PRINTING OF EJ

---

This function allows you to print the entire contents of the Electronic Journal.

### Operating procedure

1.     Starts printing directly

**Note:** printing can be interrupted by pressing the key **C**.

## SET 459 - EJ DELETION

---

This function allows you to delete the entire contents of the Electronic Journal.

**Note:** before the EJ is deleted you are requested to print the report.

## SET 460 - PRINT CURRENT EJ INFORMATION

---

This function allows you to print the information relative to the EJ currently in use.

### Operating procedure

1.     Starts printing directly  
[*PRINT EJ INFO*  
*CONFIRM?*] Press  to confirm and start printing.

**Note:** printing can be interrupted by pressing the key **C**.

## SET 461 - EJ FREE SPACE MANAGEMENT

---

This function allows you to display the information related to the free space on the EJ currently in use.

### Operating procedure

1.     Displays the percentage still available on the screen

## SET 510 - PRINT SERIES 510 OPTIONS LIST

---

SET 510 is used to print the programming of PLUs in “direct mode”. For each PLU, the following parameters are provided on the printout:

- PLU description
- Numerical position of the key related to the PLU
- Page number
- Short code to select the PLU during the sales operation
- PLU barcode.

# SET 600 - PRINT SERIES 600 OPTIONS LIST

This function is used to print the personal details of the operators programmed.

## Operating procedure

- 1.
- 2.  Start printing

# SET 601 - SET INFORMATION FOR EACH OPERATOR

FUNCTION	PROGRAMMABLE FIELDS	FACTORY SETTINGS
Personal code	Up to 4 numerical chars. each (starting from 0)	OPERATOR_1
Description	Up to 29 alphanumeric chars.	
Enable Permission level	0 , 1, 2 0 = disabled / 1 = enabled	

The sizes of the programming fields depend on the value set with the option 102.

## Operating procedure

- 1.
- 2.  To select the operator
- 3.  To confirm the CODE and continue to the description field  
or  
 to enter and confirm the personal code  
or  
 to modify the code already programmed  
 to confirm the description programmed
- 4.  to confirm the description programmed  
or  
 to set the new description (max. 29 chars)  
 to confirm the new description  
 to set the permission levels (0,1 or 2)  
 to confirm the new description
- 5.  to disable the operator  
 to enable the operator

## SET 650 - PRINT SERIES 650 OPTIONS LIST

---

This function allows you to print the options relative to programming the personal details for the customer accounts.

### Operating procedure

1.     Starts printing

**Note:** printing can be interrupted by pressing the key **C**.

## SET 651 - SET INFORMATION FOR EACH ACCOUNT

---

This function is used to program the personal details of each customer account.

### Operating procedure

1.
2.  Enter the number of customer accounts desired (factory setting 2) and press
3.  Set the details for account 2  
press
4.  Enter the description for account 2 and press
5.  Enter the description for account 2 and press
6.  Enter the VAT NO./TAX CODE for account 2 and press   
 Enter the maximum credit limit and press

## SET 652 - DELETE CUSTOMER ACCOUNT INFORMATION

---

This function is used to delete the personal details programmed for a selected customer account.

### Operating procedure

1.
2.  Enter the number of the customer account required  
and press
3.  Set the attributes for account 2  
press

**Note:** if the account is active, it cannot be deleted.

## SET 653 - DELETE INFORMATION OF MORE THAN ONE ACCOUNT

---

This function allows you to delete the personal details programmed for multiple customer accounts.

### Operating procedure

1.
2. **[FROM ACCOUNT]** Enter the number of customer account from which to start deletion  
and press
3. **[TO ACCOUNT]** Enter the number of final customer account  
and press

**Note:** if an account is active it cannot be deleted.

## SET 654 - DELETE ALL CUSTOMER ACCOUNTS

---

This function allows you to delete all personal details programmed for customer accounts.

### Operating procedure

1.      
**[DELETE ALL CONFIRM?]** Press  to confirm

## SET 800 - PRINT BCR PLU INFORMATION READ AS CODE

---

Prints the PLU programming information.

### Operating procedure

1.

2. When using a barcode reader, pass the optical reader over the item's barcode so that it is read. The code is displayed on the operator display and an acoustic signal emitted to indicate that reading has terminated.

To manually enter a barcode, select the type of barcode then press the **[alphanumeric keys]** corresponding to the code to save in memory. Press the key  to confirm and proceed to the next programmable function.

The PLU selected is printed

3.   To print the single PLU  
  To print all items with the EAN-13 code  
  To print all items with the EAN-8 code  
  To print all items with the UPC-A code  
  To print all items with the UPC-E code  
  To print all items with the Pharmacy code  
  To print all items with the C39 code  
  To print all items with the Balance code  
  To print all items

### 4. Continue with other PLUs

Press this key to exit from the printing procedure and return to the beginning of SET mode.

SELLING ITEMS BY DEPARTMENT

For sales by department, the department key (DEPT\_XX) is programmed and linked to an item, and can be used directly for performing sales operations.  
The maximum number of items that can be programmed for this mode is 250.

Operating Procedure

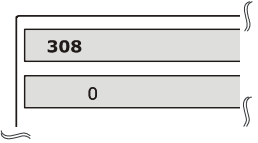
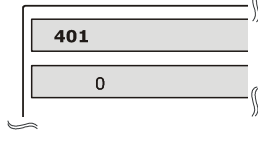
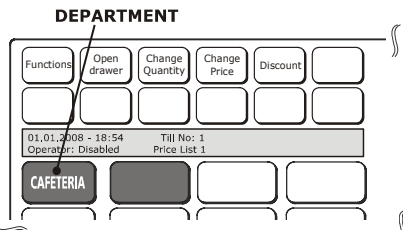
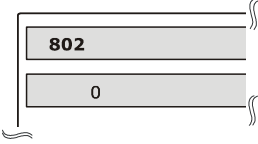
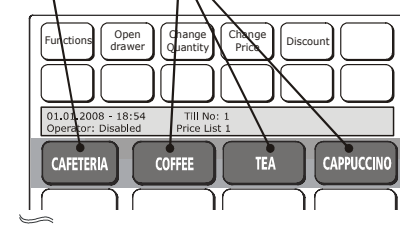
1.	<div><div>SET VAT RATE</div><div><div>308</div><div>0</div></div></div>	<p>For the VAT rate, you can program a description and the related value (for more information refer to the chapter related to setting the VAT rate – SET308).</p> <p><b>Note:</b> if sales operations have been performed, report printing is required.</p>
2.	<div><div>PROGRAM DEPARTMENTS</div><div><div>401</div><div>0</div></div></div>	<p>Program the departments using the <b>SET 401</b> command (in the example in the window below CAFETERIA is programmed).</p> <p>For each <b>DEPT</b>, as described in chapter “Programming Departments - Code 401” – to which you should refer for more details – a price and other optional parameters can be entered. For more information, refer to the chapter related to department programming – SET401.</p>
3.	<div><div>DEPARTMENT</div><div><div><div>Functions</div><div>Open drawer</div><div>Change Quantity</div><div>Change Price</div><div>Discount</div><div></div></div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div>01.01.2008 - 18:54</div><div>Till No: 1</div></div><div><div>Operator: Disabled</div><div>Price List 1</div></div><div><div>CAFETERIA</div><div>DEPT_6</div><div>DEPT_7</div><div>DEPT_8</div></div></div></div>	

SELLING ITEMS BELONGING TO A DEPARTMENT

For sales of an item belonging to a department, an item (PLU) must be linked to the department. The item can then be accessed after selecting first the department.

**Note:** If more than 15 PLUs are programmed, the remainder are displayed in the following pages viewable using the keys: **[Previous]** and **[Next]**.

Operating Procedure

1.	<p><b>SET VAT RATE</b></p> 	<p>For the VAT rate, you can program a description and the related value (for more information refer to the chapter related to setting the VAT rate – SET308).</p>
2.	<p><b>PROGRAM DEPARTMENTS WITHOUT ENTERING PRICE</b></p> 	<p>Program the departments using the <b>SET 401</b> command (in the example below CAFETERIA is programmed).</p> 
3.	<p><b>PROGRAM ITEMS (PLU)</b></p> 	<p>Program the items (PLU) using the <b>SET 802</b> command (in the example below COFFEE, TEA, CAPPUCCINO, are programmed). For each <b>ITEM/PLU</b> enter the price, other optional parameters and the DEPT to which it belongs. For more information, refer to the chapter related to item programming – SET802.</p> 

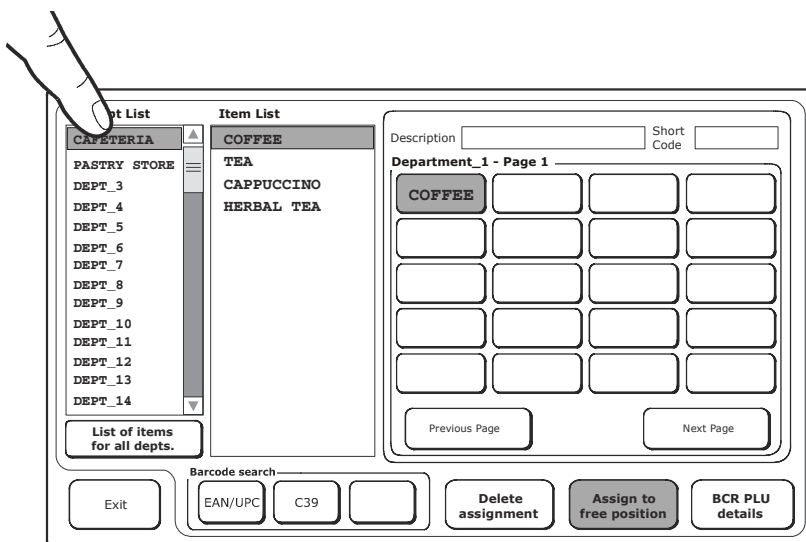


#### 4. LINK PROGRAMMING TO KEY

Program the link of the Departments (PLU) to a key on the Sales keyboard.

- Select "PLU Management"
- Select the department you require by touching it in the "Dept List" (such as CAFETERIA).
- Select the PLU you require by touching it in the "Item List" (such as COFFEE).
- Select the key in the window to which you want to create the link by touching it or select "Assign to free position".

*In this way, the CAFETERIA key is created on the Sales keyboard which, if selected, displays a second Sales window where the COFFEE key is present).*



## SET 801 - FORMAT BCR PLU AREA

---

You can use the programming code **SET 801** to restore the programmable parameters of the PLUs to their factory values.

### Operating procedure

1.
2.  To confirm. A message appears on the operator display asking you to confirm execution of the formatting function.  
  
 Cancel command. The cash register returns to the beginning of SET mode.

During the procedure you are requested for all the parameters you want to set during formatting:

- number of price lists
- descriptor length
- offer link
- periodic 2.

## SET 802 - INSERT NEW BCR PLU

---

### Operating procedure

1. 

8	0	2	X
---	---	---	---
2. When using a barcode reader, pass the optical reader over the barcode of the item so that it is read. The code is displayed on the operator display and an acoustic signal emitted to indicate that reading has terminated.

To manually enter the barcode:

- Select the type of barcode: EAN-UPC, C39.
- Enter the alphanumerical code of the item to save using the keypad.
- Press the 

X
---

 key to confirm and proceed to the next programmable function.

3. To save items without the assistance of a barcode, select the C39 type that allows descriptive strings to be entered for an item or for generic PLUs (such as Coffee).

For example:

- When you select C39, on the screen appears:

<b>INSERTION</b>
<b>PLU CODE C-39</b>

- Enter the descriptive string you want (as in the previous example, coffee) and press 

X
---
- You are then requested to enter the PLU CODE.  
Enter the description of the item inserted (as in the previous example, coffee).  
The description inserted in this field will be printed on the ticket and shown in the ticket on the touch screen.
- Next enter the parameters for the item (prices, **department linked** etc.) to associate a key to the item.

- 
- If you want to change the number of the department to which a PLU is linked, you must first run the Z reports requested.
-

### Operating procedure

1. **8** **0** **3** **X**
2. If you want to use the barcode reader, pass the optical reader over the item's barcode so that it is read. The code is displayed on the operator screen and an acoustic signal emitted to indicate that reading has terminated.

If, on the other hand, you want to enter the barcode manually, first select the type of code, then press the **[alphanumeric keys]** corresponding to the code to save. Press the key **X** to confirm and continue to the next programmable function.

A message is printed to indicate that the PLU has been deleted.

# SET 804 - MODIFY BCR PLU

---

## Operating procedure

1. 8 0 4 X

2. If you want to use the barcode reader, pass the optical reader over the item's barcode so that it is read. The code is displayed on the operator screen and an acoustic signal emitted to indicate that reading has terminated.

On the other hand, to enter the barcode manually, first select the code type then press the **[alphanumerical keys]** corresponding to the code to be saved. Press the key X to confirm and continue to the next programmable function.

3. **[ALPHANUMERIC CHARS]** X Customising the new descriptor.

4. **[NUMERIC CHARACTERS]** X Set the new sales price.  
(if WEEE is enabled)

5. **[NUMERIC CHARACTERS]** X Set the number of the new reference department.

6. **[NUMERIC CHARACTERS]** X Offer reference.

Total

Press this key to interrupt programming the selected parameter, that nevertheless remains configured, and return the cash register to the beginning of SET mode.

Subtotal

Press this key to interrupt programming the parameter selected, that nevertheless remains configured, and skip to program the same parameter for the next department.

- 
- If you want to change the number of the department to which a PLU is linked, you must first run the (Z10) report in Z operation mode.
-

## PROGRAMMING THE SERIAL INTERFACES

---

The devices that can be connected to the cash register via the serial interfaces are the personal computer, barcode reader and the slip printer.

Code **905** allows you to configure the connection of the devices to the two serial interfaces.

The parameters for serial interfaces 1 and 2 can be configured, respectively, with code **901** and code **903**.

To reset the parameter values to their factory settings, use code **902** for interface 1 and code **904** for interface 2.

Before connecting the PC, BARCODE READER and SLIP PRINTER to the cash register, follow the instructions below in the order indicated :

- In SET mode, using programming code 905, select the types of devices to be connected to serial interfaces 1 and 2.
- If you need to modify the parameters of either serial interface, in SET mode use the appropriate programming code - code 901 for serial interface 1 and code 903 for serial interface 2.
- Switch off the cash register and the devices to be connected
- Connect the devices to the cash register
- Switch on the cash register and then the devices connected to it

To disconnect the devices from the cash register, follow the instructions below in the order given :

- Switch off first the cash register, then all the devices connected to it
- Disconnect the devices from the cash register
- Switch on the cash register.

## SET 900 - PRINT SERIES 900 OPTIONS LIST

---

### Operating procedure

1.
2.        ☒ Start printing

**SET 901 - SET SERIAL CHANNEL 1 INFORMATION**  
**SET903 - SET SERIAL CHANNEL 2 INFORMATION**

The values set automatically are the defaults. You can subsequently modify these values using code 901 (for serial 1) and code 903 (for serial 2).

**Programmable parameters**

DESCRIPTION	Factory settings for connection of a PC	Factory settings for connection of BARCODE READER
Power supply	DISABLED	ENABLED
Modem signals	Disabled	Disabled
Baud rate	From 300 to 115200	From 300 to 115200
Data bits	8	7
Stop bits	2	1
Parity	No	Even
ACK/NACK time-out	1000	0
Session time-out	0	0
Number of retries	5	0

The values set automatically are the defaults or those set by the user.

**Operating procedure**

1.  or
2.  To disable the 5V power supply to the connector output.  
 To enable the 5V power supply to the connector output.
3.  To disable the modem signals.  
 To enable the modem signals.
4. To select the baud rate:  
 300  
 600  
 1200  
 2400  
 4800  
 9600  
 19200  
 38400  
 57600  
 115200
5.  To program the data bits as 7  
 To program the data bits as 8
6.  To program the number of stop bits as 1  
 To program the number of stop bits as 2
7.  To program "no parity"  
 To program "odd parity"  
 To program "even parity"
8. **[Numeric Chars]**  To program ACK/NACK time-out (between 0 and 30,000 ms).
9. **[Numeric Chars]**  To program the session time-out (between 0 and 30,000 ms).
10. **[Numeric Chars]**  To program the number of retries (from 0 to 250).

**SET 902 - LOADING SERIAL CHANNEL 1 DEVICE**  
**SET904 - LOADING SERIAL CHANNEL 2 DEFAULT**

Programming codes SET 902 and 904 can be used to reset the serial interface 1 and serial interface 2 parameters to their default values.

## Operating procedure

- |   |   |   |   |
|---|---|---|---|
| 9 | 0 | 2 | X |
| 9 | 0 | 4 | X |

or
- |   |
|---|
| X |
| C |

To confirm loading of the factory-set parameter values.  
Cancel command.  
The cash register returns to the beginning of SET mode.

## SET 905 - SERIAL DEVICE CONFIGURE

## Operating procedure

- |    |                 |   |                   |   |                     |
|----|-----------------|---|-------------------|---|---------------------|
| 1. | 9               | 0 | 5                 | X |                     |
| 2. | Serial 1 Device |   |                   |   | Serial 2 Device     |
| 3. | 0               | X | Barcode reader *  |   | Personal Computer * |
|    | 1               | X | Personal Computer |   | Barcode reader      |
|    | 2               | X | Barcode reader    |   | Slip printer        |
|    | 3               | X | Personal Computer |   | Slip printer        |

\* Factory setting:

## SET 906 - ENABLE USB CONNECTION

## Operating procedure

1. ☐ 9 ☐ 0 ☐ 6 ☐ X
  2. ☐ 0 ☐ X To disable the USB interface  
☐ 1 ☐ X To enable the USB interface
- When the USB interface is enabled, the serial interface on which the personal computer is configured is deactivated.**



## SET 919 - ENABLE NETWORK SERVICES

---

This is used to enable network services.

### Operating procedure

1.
2. DISABLED = 0  
ENABLED = 1.

## SET 920 - ETH ACTIVATION PARAMETERS

---

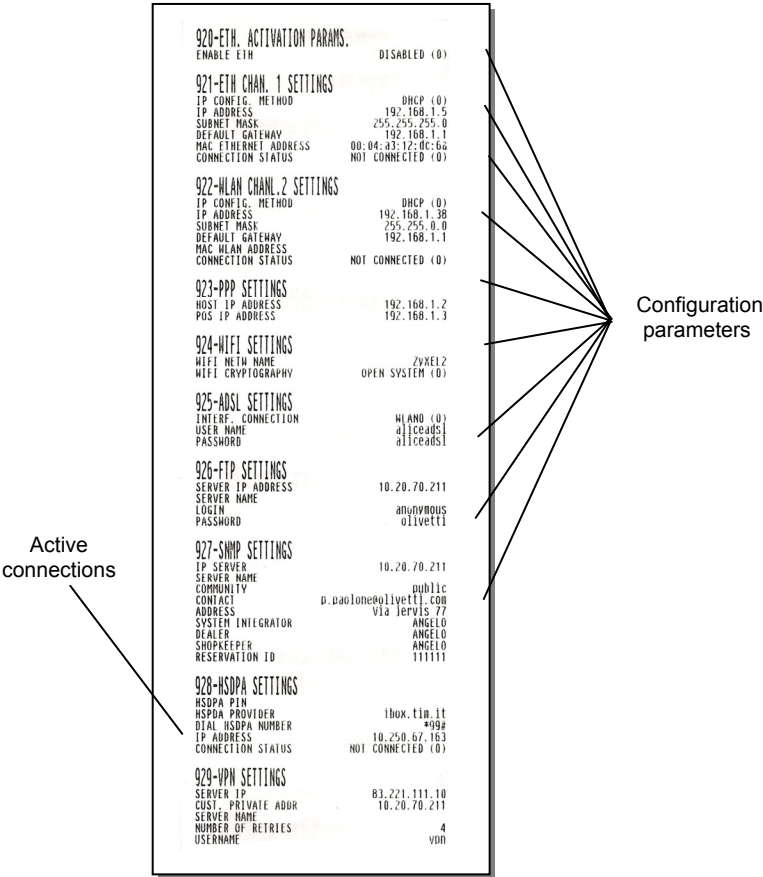
This is used to enable a network port of Ethernet type.

### Operating procedure

1.
2. DISABLED = 0  
ENABLED = 1.
3. **[FRIENDLY NAME]** Name for identifying the device on the network. The system proposes the factory setting: Nettuna3000  
To change this name, enter the name you want on the keypad.

**SET 921 - CHANNEL 1 ETH SETTINGS**  
**SET 922 – CHANNEL 2 WLAN SETTINGS**  
**SET 923 – PPP SETTINGS**  
**SET 924 – WIFI SETTINGS**  
**SET 925 – ADSL SETTINGS**  
**SET 926 – FTP SETTINGS**  
**SET 927 – SNMP SETTINGS**  
**SET 928 – HSDPA SETTINGS**  
**SET 929 – VPN SETTINGS**  
**SET930 - ETH ADVANCED SETTINGS**

The cash register is able to connect to different types of network, but principally: Ethernet, wireless (Wlan), ppp protocol, adsl, ftp, HSDPA, VPN. As for any other device on the market using these technologies, specific configuration parameters must be set for each of these modes. In the following an example is given of how the various interfaces can be configured.



## SET 931 - SELECT FW UPDATE MODE

---

This command enables or disables firmware updating mode.

### Operating procedure

1.
2.       WITH CONFIRM ; if you choose to update the firmware, confirmation is required  
         AUTOMATIC; the firmware is updated automatically (default setting).

## SET 932 - SELECT DB UPDATE MODE

---

This command enables or disables the internal database updating mode of the cash register.

### Operating procedure

1.
2.       WITH CONFIRM ; if you choose to update the database, confirmation is required  
         AUTOMATIC; the database is updated automatically (default setting).

**SET 950 – SET SLIP PRINTER INFORMATION**  
**SET 951 - CALIBRATE SLIP PRINTER MODULE**

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**PROGRAMMING DOCUMENT MANAGEMENT ON THE EXTERNAL PRINTER**

After connecting the printer or slip printer, and selecting and programming the required parameters, you must program document management for Invoices or Receipts.

The programming code is **SET 950**.

**PRINTER PROGRAMMABLE PARAMETERS: OLIVETTI PR4 SL, EPSON TM 290, EPSON TM 295, STAR SP 298**

	Select printer	1 = Selects Olivetti PR4 SL 2 = Selects Epson TM 290 3 = Selects Epson TM 295 4 = Selects STAR SP 298 5 = Selects PRT100Marker		
Programmable parameters				
PARAMETER	FUNCTION	PROGRAMMING VALUES		
		minimum	maximum	factory
1	Width of the header area corresponding to the pre-printed area of the document.	0	20	0
2	Body text area of document.	10	200	35
3	Enables or disables the same header printed on tickets to be used also on invoices / receipts.	1 enabled	0 disabled	0 disabled
4	Invoice Series identifiable with alphanumerical characters	1	3	A
5	Receipt Series identifiable with alphanumerical characters	1	3	B
6	Starting value for (progressively) numbering receipts	1	99999	1

PARAMETER	FUNCTION	PROGRAMMABLE VALUES		
		minimum	maximum	factory
7	Starting value for (progressively). numbering invoices	1	99999	1
8	Compact document (type of form). You can specify whether the body text area must be completed automatically with interlines, so that the invoice / receipt total and following text appear under the text area. In the opposite case, interlines are not inserted, and the invoice / receipt total and following text are printed immediately after the sales items.	1 enabled	0 disabled	1 enabled
9	Enable / disable copying to EJ of tickets not COPY INVOICE or RECEIPT.	1 enabled	0 disabled	1 enabled
10	Enable / disable definition of unit price	1 enabled	0 disabled	0 disabled

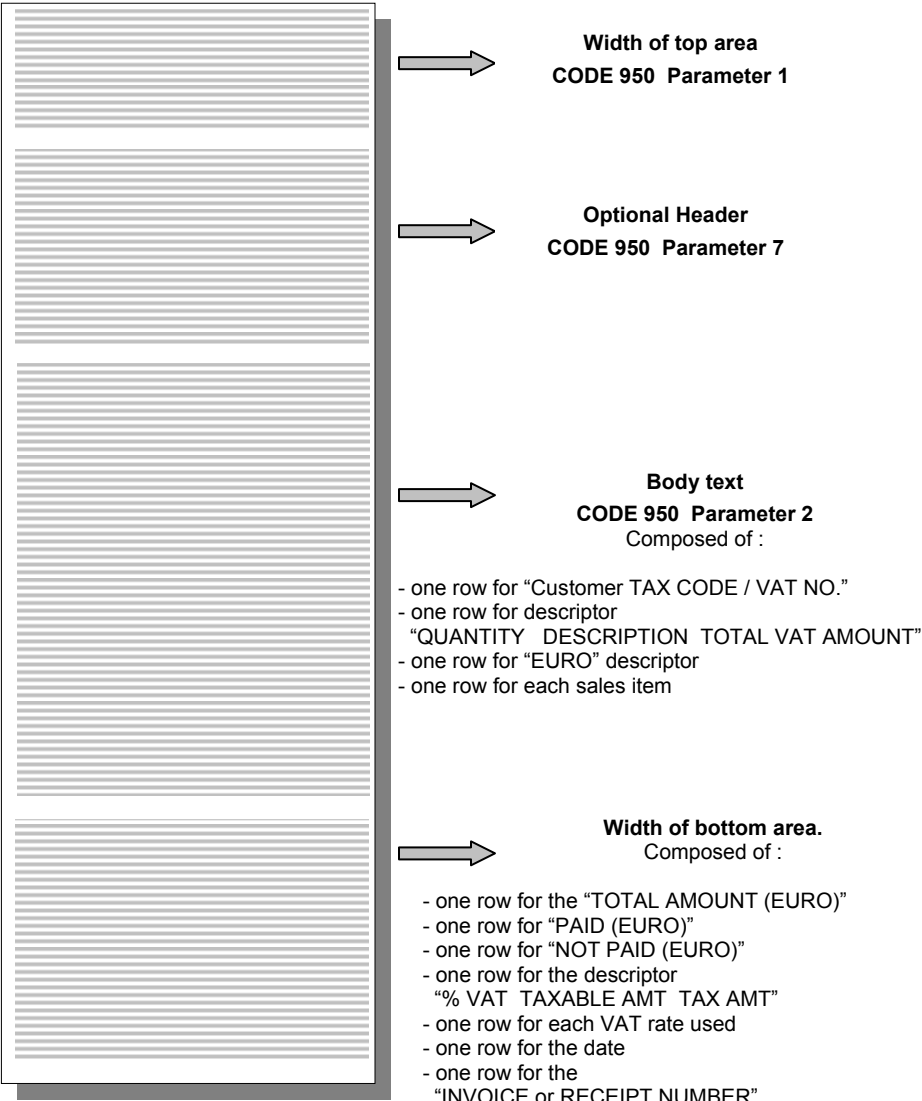
#### PROGRAMMABLE PARAMETERS FOR PRT 100 MARKER PRINTER

	Selects printer	5 = Selects PRT100Marker		
Programmable parameters				
PARAMETER	FUNCTION	PROGRAMMABLE VALUES		
		minimum	maximum	factory
1	Module length expressed in printing lines	10	90	52
2	In the case of a pre-printed form, number of pre-printed lines at the top	0	20	0

PARAMETER	FUNCTION	PROGRAMMABLE VALUES		
		minimum	maximum	factory
<b>3</b>	In the case of a pre-printed form, number of pre-printed rows at the end.	0	30	0
<b>4</b>	Enables / disables the same header printed on tickets to be printed also on invoices and receipts.	1 enabled	0 disabled	0 disabled
<b>5</b>	Invoice Series identified by alphanumerical characters	1	3	A
<b>6</b>	Receipt Series identified by alphanumerical characters	1	3	B
<b>7</b>	Starting value for numbering receipts (progressively).	1	99999	1
<b>8</b>	Starting value for numbering invoices (progressively).	1	99999	1
<b>9</b>	Compact document (type of form). You can specify whether the body text must be completed automatically with interlines so that the invoice / receipt total and following text are positioned under the text area. In the opposite case, interlines are not inserted, and the invoice / receipt total and following text appear immediately after the sales items.	1 enabled	0 disabled	1 enabled
<b>10</b>	Enables / disables copying to EJ of tickets not COPY/INVOICE/ RECEIPT.	1 enabled	0 disabled	1 enabled
<b>11</b>	Enables / disables definition of single unit price	1 enabled	0 disabled	0 disabled

**LAYOUT OF THE DOCUMENT FOR INVOICE OR RECEIPT**

In the following figure is illustrated the layout of the document for the Invoice or Receipt, with indications of how the various fields are ordered.



Operating procedure

1.
- 9

5

0

X
2.
- [ALPHANUMERICAL CHARS]
- X
- Set all the parameters that are requested, referring to the tables for slip printer printing.

DEFINE THE BODY TEXT LINES FOR THE SLIP PRINTER – SET 951

To print on an external printer of slip printer type, you must know the number of body text lines that can be printed by the slip printer for the invoice/ticket.  
The number of body text lines must be specified for the option SET950.

1.
- 9

5

1

X
- The ticket is printed on the slip printer with the following indications:

REGTR: 01-01-2012 01  
TICKET NUMBER 00:04 3

GUIDED PROCEDURE  
FOR MEASUREMENT  
OF THE FORM LENGTH

TO MEASURE  
INSERT THE FORM AND  
PRESS THE 'X' KEY

TO EXIT  
PRESS THE 'Cancel' KEY

\*\*\*\*\*

FORM LENGTH MEASUREMENT  
PERFORMED SUCCESSFULLY

FOLLOW THE INSTRUCTIONS  
PRINTED ON THE FORM

\*\*\*\*\*

2.
- X
- Wait until the slip printer finishes printing, then read the value calculated on the last line.

THE FOLLOWING PRINTOUT PROVIDES 1  
A SUITABLE INSTRUMENT 2  
FOR MEASURING THE LENGTH 3  
OF THE MODULE USED 4  
FOR ISSUING FISCAL INVOICES. 5  
6  
7  
WHEN PRINTING FINISHES 8  
YOU MUST ENTER THE NUMERIC 9  
VALUE PRINTED AT THE 10  
END OF THE MODULE IN 11  
THE OPTION <SET 950> 12  
ITEM 'BODY LINES'. 13  
14  
THIS VALUE REPRESENTS 15  
THE MAXIMUM NO. OF LINES 16  
THAT CAN BE PRINTED 17  
ON THE MODULE USED. 18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34  
35

3.
- Using SET 950, enter the value obtained for the parameter “Body text”; in the example above 57.



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## A. ICON CLASSIFICATIONS AND LIST OF PROMOTIONAL PHRASES





















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### ICON GENERAL CLASSIFICATIONS – MERCHANDISE CATEGORIES

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#### FOOD

- Wine shop
- Grocery shop
- Fruit - Vegetables
- Gastronomy
- Butcher's shop
- Equine butcher's
- Bakery
- Pastry shop
- Pasta shop
- Fishmonger's
- Poulterer
- Delicatessen - Cheeses
- Frozen food

<p><b>1</b></p>  <p>THE WHOLE WORLD IN A BOTTLE</p>	<p><b>2</b></p>  <p>THE WHOLE WORLD IN A BOTTLE</p>	<p><b>11</b></p>  <p>FRESH, GENUINE MEAT PRODUCTS FOR YOUR TABLE</p>	<p><b>12</b></p>  <p>FRESH, GENUINE MEAT PRODUCTS FOR YOUR TABLE</p>
<b>WINE SHOP</b>		<b>EQUINE BUTCHER'S</b>	
<p><b>3</b></p>  <p>ALL THE SCENTS, ALL THE ESSENCES CHOSEN JUST FOR YOU</p>	<p><b>4</b></p>  <p>A VAST SELECTION OF PRODUCTS FOR YOUR HOME</p>	<p><b>13</b></p>  <p>THE PERFUME AND TASTE OF HOME-MADE PASTA</p>	<p><b>14</b></p>  <p>THE PERFUME AND TASTE OF HOME-MADE PASTA</p>
<b>GROCERY SHOP</b>		<b>BAKERY</b>	
<p><b>5</b></p>  <p>A VEGETABLE GARDEN AND ORCHARD AT YOUR DOOR</p>	<p><b>6</b></p>  <p>A VEGETABLE GARDEN AND ORCHARD AT YOUR DOOR</p>	<p><b>15</b></p>  <p>DESSERTS, CAKES, PASTRIES AND FANTASY</p>	<p><b>16</b></p>  <p>DESSERTS, CAKES, PASTRIES AND FANTASY</p>
<b>FRUIT - VEGETABLES</b>		<b>PASTRY SHOP</b>	
<p><b>7</b></p>  <p>THE PLEASURE FROM SAVOURING GOOD THINGS</p>	<p><b>8</b></p>  <p>THE PLEASURE FROM SAVOURING GOOD THINGS</p>	<p><b>17</b></p>  <p>THE PERFUME AND TASTE OF HOME-MADE PASTA</p>	<p><b>18</b></p>  <p>THE PERFUME AND TASTE OF HOME-MADE PASTA</p>
<b>GASTRONOMY</b>		<b>BAKERY</b>	
<p><b>9</b></p>  <p>FRESH, GENUINE MEAT PRODUCTS FOR YOUR TABLE</p>	<p><b>10</b></p>  <p>FRESH, GENUINE MEAT PRODUCTS FOR YOUR TABLE</p>	<p><b>19</b></p>  <p>A GUARANTEE OF ONLY THE FRESHEST FISH</p>	<p><b>20</b></p>  <p>A GUARANTEE OF ONLY THE FRESHEST FISH</p>
<b>BUTCHER'S SHOP</b>		<b>FISHMONGER'S</b>	

21	22
 <p>CHICKEN, MEAT AND SALAMI LIKE HOME-RAISED</p> <p>POULTERER</p>	 <p>CHICKEN, MEAT AND SALAMI LIKE HOME-RAISED</p>
23	24
 <p>THE BEST CHEESES CARRY OUR NAME</p>	 <p>THE BEST CHEESES CARRY OUR NAME</p>
DELICATESSEN - CHEESES	
25	26
 <p>THE COLD FRIEND OF FRESH PRODUCE</p>	 <p>THE COLD FRIEND OF FRESH PRODUCE</p>
FROZEN FOOD	

CLOTHES

- Kids
  - Shoes
  - Shirts
  - Hats
  - Ladieswear
- Lingerie
  - Leather goods
  - Textiles
  - Sportswear
  - Menswear

<div>27</div> <div></div> <div>THE WORLD OF THE YOUNG</div> <div>KIDS</div>	<div>28</div> <div></div> <div>THE WORLD OF THE YOUNG</div> <div></div>	<div>37</div> <div></div> <div>LINGERIE</div> <div>LINGERIE</div>	<div>38</div> <div></div> <div>LINGERIE</div> <div></div>
<div>29</div> <div></div> <div>WALKING TOGETHER</div> <div>SHOES</div>	<div>30</div> <div></div> <div>WALKING TOGETHER</div> <div></div>	<div>39</div> <div></div> <div>LEATHER BAGS REAL LEATHER TRAVEL ARTICLES GUARANTEED</div> <div>LEATHER GOODS</div>	<div>40</div> <div></div> <div>LEATHER BAGS REAL LEATHER TRAVEL ARTICLES GUARANTEED</div> <div></div>
<div>31</div> <div></div> <div>THE SHIRT THAT SETS YOU APART</div> <div>SHIRTS</div>	<div>32</div> <div></div> <div>THE SHIRT THAT SETS YOU APART</div> <div></div>	<div>41</div> <div></div> <div>FABRICS LATEST IDEAS CLASSIC</div> <div>TEXTILES</div>	<div>42</div> <div></div> <div>FABRICS LATEST IDEAS CLASSIC</div> <div></div>
<div>33</div> <div></div> <div>YOU HAVE MADE A WISE CHOICE</div> <div>HATS</div>	<div>34</div> <div></div> <div>YOU HAVE MADE A WISE CHOICE</div> <div></div>	<div>43</div> <div></div> <div>SPORT AND HEALTH GO HAND IN HAND</div> <div>SPORTSWEAR</div>	<div>44</div> <div></div> <div>SPORT AND HEALTH GO HAND IN HAND</div> <div></div>
<div>35</div> <div></div> <div>JUST FOR WOMEN</div> <div>LADIESWEAR</div>	<div>36</div> <div></div> <div>JUST FOR WOMEN</div> <div></div>	<div>45</div> <div></div> <div>EXCLUSIVE MENSWEAR</div> <div>MENSWEAR</div>	<div>46</div> <div></div> <div>EXCLUSIVE MENSWEAR</div> <div></div>

## CATERING



- Bar - Café
- Public House
- Ice-cream Parlour
- Sandwich Bar
- Pasta Restaurant
- Pizza Restaurant
- Snack Bar

51	52
 <p>THE FIVE STAR ICE-CREAM</p>	 <p>THE FIVE STAR ICE-CREAM</p>





ICE-CREAM PARLOUR

53	54
 <p>ENJOY A RELAXED TIME IN GOOD COMPANY</p>	 <p>ENJOY A RELAXED TIME IN GOOD COMPANY</p>

SANDWICH BAR

55	56
 <p>AT YOUR SERVICE OUR QUALITY AND COURTESY</p>	 <p>AT YOUR SERVICE OUR QUALITY AND COURTESY</p>

PIZZA RESTAURANT

47	48	57	58
 <p>YOUR MEETING PLACE</p>	 <p>YOUR MEETING PLACE</p>	 <p>A CONTINUOUS THREAD OF PASTA &amp; FANTASY</p>	 <p>A CONTINUOUS THREAD OF PASTA &amp; FANTASY</p>










BAR - CAFE








PASTA HOUSE

49	50	59	60
 <p>ENJOY A RELAXED TIME IN GOOD COMPANY</p>	 <p>ENJOY A RELAXED TIME IN GOOD COMPANY</p>	 <p>AT YOUR SERVICE OUR QUALITY AND COURTESY</p>	 <p>AT YOUR SERVICE OUR QUALITY AND COURTESY</p>

PUBLIC HOUSE

SNACK BAR

<div>61</div> <div>  <p>PRECIOUS AND EXCLUSIVE FOR EXCEPTIONAL PERSONS</p> </div> <div>JEWELLERY</div>	<div>65</div> <div>  <p>ABSOLUTELY EVERYTHING FOR A WORLD OF COLOUR</p> </div> <div>PAINTS</div>	<b>BUILDING – PAINT SUPPLIERS</b> <ul style="list-style-type: none"> <li>• Paints</li> <li>• Bricks - Cement</li> <li>• Marble - Tiles</li> <li>• Upholstery - Carpets</li> <li>• Sanitaryware – Bathroom Furnishings</li> </ul>
<div>62</div> <div>  <p>THE SURE CHARM OF ALL ANTIQUE OBJECTS</p> </div> <div>ANTIQUES</div>	<div>66</div> <div>  <p>BUILDING SAFELY</p> </div> <div>BRICKS - CEMENT</div>	
<div>63</div> <div>  <p>PRECIOUS AND EXCLUSIVE FOR EXCEPTIONAL PERSONS</p> </div> <div>GOLDSMITH</div>	<div>67</div> <div>  <p>ELEGANT MATERIALS FOR FURNISHINGS</p> </div> <div>MARBLE - TILES</div>	
<div>64</div> <div>  <p>THE FORECAST JUST FOR YOU</p> </div> <div>GOLDSMITH</div>	<div>68</div> <div>  <p>THE SURE CHOICE FOR TASTEFUL FURNISHINGS</p> </div> <div>UPHOLSTERY - CARPETS</div>	
<div> <b>VALUABLE GOODS</b> <ul style="list-style-type: none"> <li>• Jewellery</li> <li>• Antiques</li> <li>• Goldsmith</li> <li>• Clocks and watches</li> </ul> </div>	<div>69</div> <div>  <p>THE SURE CHOICE FOR TASTEFUL FURNISHINGS</p> </div> <div>SANITARYWARE – BATHROOM FURNISHINGS</div>	

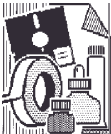







<div>70</div> <div>  <p>A HIGH FIDELITY SHOP</p> </div> <div>HF RADIO ACCESSORIES</div>	<div>72</div> <div>  <p>THE SHOP THAT PROVIDES YOU HELP AND ADVICE</p> </div> <div>COMPUTERS AND ACCESSORIES</div>
<div>71</div> <div>  <p>A HIGH FIDELITY SHOP</p> </div> <div>VHS CASSETTES</div>	<div>73</div> <div>  <p>A HIGH FIDELITY SHOP</p> </div> <div>CDs -DISKS</div>
<div>ELECTRONICS</div> <ul style="list-style-type: none"> <li>• HF radio accessories</li> <li>• VHS cassettes</li> <li>• Computers and accessories</li> <li>• Music cassettes - Disks</li> <li>• Household goods</li> <li>• Radio - Televisions</li> <li>• Musical instruments</li> </ul>	<div>74</div> <div>  <p>THE SHOP THAT PROVIDES YOU HELP AND ADVICE</p> </div> <div>HOUSEHOLD GOODS</div>
	<div>75</div> <div>  <p>A HIGH FIDELITY SHOP</p> </div> <div>RADIO - TELEVISIONS</div>
	<div>76</div> <div>  <p>YOUR MUSIC IN HARMONY</p> </div> <div>MUSICAL INSTRUMENTS</div>

**STATIONERY - TOYS**

- School & office stationery
- Stationery
- Toys
- Books

**COSMETICS**

- Fashion jewellery
- Herbal products
- Cosmetics
- Perfumes

<div>77</div> <div></div> <div>EVERYTHING FOR THE HOME, OFFICE AND SCHOOL</div> <div>OFFICE &amp; SCHOOL STATIONERY</div>	<div>81</div> <div></div> <div>NEW, EXCLUSIVE UNUSUAL CREATIONS</div> <div>FASHION JEWELLERY</div>
<div>78</div> <div></div> <div>EVERYTHING FOR THE HOME, OFFICE AND SCHOOL</div> <div>STATIONERY</div>	<div>82</div> <div></div> <div>NATURE, ITS HERBS AND NATURAL PRODUCTS</div> <div>HERBAL PRODUCTS</div>
<div>79</div> <div></div> <div>A FABULOUS WORLD FOR THE YOUNG AND NOT SO YOUNG</div> <div>TOYS</div>	<div>83</div> <div></div> <div>A SPACE FOR BEAUTY AND BODY CARE</div> <div>COSMETICS</div>
<div>80</div> <div></div> <div>A BOOK FOR A FRIEND</div> <div>BOOKS</div>	<div>84</div> <div></div> <div>A SPACE FOR BEAUTY AND BODY CARE</div> <div>PERFUMES</div>



**ANIMALS**








- Animal supplies
- Pets
- Fish and aquariums

**GARDENING**

- Gardening supplies
- Equipment and fertilizers
- Flowers and plants



**AUTOMOTIVE - MOTOBIKE - BICYCLE**

- Car accessories and spare parts
- Motorbike/bicycle accessories and spare parts

<div>85</div> <div></div> <div>EVERYTHING FOR OUR FRIENDS</div> <div>ANIMAL SUPPLIES</div>	<div>88</div> <div></div> <div>CULTIVATE, CARE FOR AND CREATE IN HARMONY WITH NATURE</div> <div>GARDENING SUPPLIES</div>	<div>91</div> <div></div> <div>ALL ACCESSORIES AND SPARE PARTS ITEM BY ITEM</div> <div>CAR ACCESSORIES AND SPARE PARTS</div>
<div>86</div> <div></div> <div>EVERYTHING FOR OUR FRIENDS</div> <div>PETS</div>	<div>89</div> <div></div> <div>CULTIVATE, CARE FOR AND CREATE IN HARMONY WITH NATURE</div> <div>EQUIPMENT AND FERTILIZERS</div>	<div>92</div> <div></div> <div>ALL ACCESSORIES AND SPARE PARTS ITEM BY ITEM</div> <div>MOTORBIKE ACCESSORIES AND SPARE PARTS</div>
<div>87</div> <div></div> <div>EVERYTHING FOR THE UNDERWATER WORLD</div> <div>FISH AND ACQUARIUMS</div>	<div>90</div> <div></div> <div>CULTIVATE, CARE FOR AND CREATE IN HARMONY WITH NATURE</div> <div>FLOWERS AND PLANTS</div>	<div>93</div> <div></div> <div>EVERYTHING FOR TWO WHEELS</div> <div>BIKES</div>

**PHOTOGRAPHY - OPTICS**

- Video - photo - optical equipment
- Scientific instruments

<div>94</div> <div></div> <div>GIVE YOUR PICTURES THEIR JUST WORTH</div> <div>VIDEO PHOTO OPTICAL EQUIPMENT</div>
<div>95</div> <div></div> <div>A VAST SELECTION OF PRODUCTS FOR YOU</div> <div>SCIENTIFIC INSTRUMENTS</div>



## HARDWARE ITEMS

<b>96</b>	
	EVERYTHING FOR AN ELEGANT WELCOMING HOME
HOUSEHOLD GOODS	

- Household goods
- Plumbing materials
- Heating systems
- Ironmongery
- Electrical materials
- Industrial metal products

<b>97</b>	
	EVERYTHING FOR ALL TYPES OF INSTALLATION
PLUMBING MATERIALS	
HEATING SYSTEMS	

## WOOD - FURNITURE

- Frames - Pictures - Prints
- Wood - Carpentry
- Home - office furnishings

## GLASSWARE - CERAMICS

- Light fixtures
- Porcellane - Pottery
- Glassware

<b>98</b>	
	EVERYTHING FOR ALL TYPES OF INSTALLATION

<b>102</b>	
	WE WILL PUT YOU RIGHT
FRAMES - PICTURES - PRINTS	

<b>105</b>	
	THE ART OF LIGHT
LIGHT FIXTURES	

<b>99</b>	
	FROM A BOLT TO A CRANE
IRONMONGERY	

<b>103</b>	
	THE ART OF WOOD
WOOD - CARPENTRY	

<b>106</b>	
	TIMELESS JEWELS
PORCELLANE - POTTERY	

<b>100</b>	
	EVERYTHING FOR ALL TYPES OF INSTALLATION
ELECTRICAL MATERIALS	

<b>104</b>	
	A CHOICE OF STYLE
HOME -OFFICE FURNITURE	

<b>107</b>	
	GLASS IN ALL ITS FORMS
GLASSWARE	

<b>101</b>	
	A VAST SELECTION OF PRODUCTS FOR YOU
INDUSTRIAL METAL PRODUCTS	

**108**



HAPPY  
CHRISTMAS

CHRISTMAS

**109**



HAPPY  
NEW  
YEAR

NEW YEAR

**HOLIDAYS  
AND SPECIAL  
OCCASIONS**

- Christmas
- New Year
- St Valentine's Day
- Carnival
- Women's Day
- Father's Day
- Easter
- Mother's Day
- Vacation

**110**



A  
DAY  
TO  
REMEMBER

ST. VALENTINE'S DAY

**111**



HAVE  
A  
GOOD  
CARNIVAL

CARNIVAL

**112**



A DAY  
WORTH  
REMEMBERING

WOMEN'S DAY

**113**



FATHER'S  
DAY -  
BEST  
WISHES

FATHER'S DAY

**114**



HAPPY  
EASTER

EASTER

**115**



MOTHER'S  
DAY -  
BEST WISHES

MOTHER'S DAY

**116**



HAVE  
A GOOD  
HOLIDAY

VACATION

## LIST OF PROMOTIONAL PHRASES

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<b>PHRASES</b>	<b>No.</b>
AT YOUR SERVICE QUALITY AND COURTESY	25
TECHNICAL ARTICLES	91
YOU HAVE MADE A WISE CHOICE	15
ENJOY YOUR MEAL	78
HAPPY CHRISTMAS	59
HAPPY EASTER	65
HAVE A GOOD HOLIDAY	67
WALKING TOGETHER	13
FRESH, GENUINE MEAT PRODUCTS FOR YOUR TABLE	5
HE WHO LOVES NATURE LOVES LIFE	85
HE WHO FINDS A FRIEND FINDS A TREASURE	82
ASK FOR A HOME DELIVERY	70
CULTIVATE, CARE FOR AND CREATE IN HARMONY WITH NATURE	45
BUILDING SAFELY	31
NEW, EXCLUSIVE, UNUSUAL CREATIONS	42
FROM A BOLT TO A CRANE	53
GIVE YOUR PICTURES THEIR JUST WORTH	48
JUST FOR WOMEN	16
DESSERTS, CAKES, PASTRIES AND FANTASY	6
EXCLUSIVE MENSWEAR	21
HAPPY NEW YEAR	60
FATHER'S DAY – BEST WISHES -	64
MOTHER'S DAY – BEST WISHES	66
HAVE A HAPPY CARNIVAL	62
YOU HAVE WON A PRIZE	69
IDEAS AND FANTASY FOR THE HOME	106
FLOWERS FIND THE BEST WORDS FOR EVERY OCCASION	86
THE BEST CHEESES CARRY OUR NAME	10
ELEGANT MATERIALS FOR FURNISHINGS	32
FABRICS, LATEST IDEAS, CLASSIC	19
THE SURE CHARM OF ALL ANTIQUES OBJECTS	28
THE COLD FRIEND OF FRESH PRODUCE	11
THE FIVE-STAR ICE-CREAM	24
THE BEST FOR YOUR TABLE	72
THE WORLD OF THE YOUNG	12

<b>PHRASES</b>	<b>No.</b>
THE SHOP THAT PROVIDES YOU HELP AND ADVICE	<b>36</b>
THE PLEASURE FROM SAVOURING GOOD THINGS	<b>4</b>
PRECIOUS AND EXCLUSIVE FOR EXCEPTIONAL PERSONS	<b>27</b>
THE FORECAST JUST FOR YOU	<b>29</b>
VALUE THAT STANDS THE TEST OF TIME	<b>80</b>
GLASS IN ALL ITS FORMS	<b>58</b>
YOUR MEETING PLACE	<b>22</b>
LINGERIE	<b>17</b>
THE ART OF WOOD	<b>54</b>
THE ART OF LIGHT	<b>56</b>
A VEGETABLE GARDEN AND ORCHARD AT YOUR DOOR	<b>3</b>
GOOD FOOD LOVES QUALITY	<b>74</b>
THE SHIRT THAT SETS YOU APART	<b>14</b>
NATURE, ITS HERBS AND NATURAL PRODUCTS	<b>43</b>
NATURE FOR OUR WELL-BEING	<b>101</b>
THE SURE CHOICE FOR TASTEFUL FURNISHINGS	<b>33</b>
A GUARANTEE OF ONLY THE FRESHEST FISH	<b>8</b>
YOUR MUSIC IN HARMONY	<b>35</b>
A SPACE FOR BEAUTY AND BODY CARE	<b>44</b>
A DISTINCT STYLE	<b>75</b>
FASHION, QUALITY AND COURTESY	<b>76</b>
A HIGH FIDELITY SHOP	<b>34</b>
LEATHER BAGS, REAL LEATHER TRAVEL ARTICLES GUARANTEED	<b>18</b>
LET'S SPARE A THOUGHT FOR OUR SMALL FRIENDS	<b>83</b>
FOR YOUR HOME AND GIFT NEEDS	<b>104</b>
FOR A QUALITY-BASED CHOICE	<b>105</b>
FOR YOU ONLY THE BEST	<b>73</b>
FOR YOU A VAST RANGE OF PRODUCTS	<b>93</b>
CHICKEN, MEAT AND SALAMI LIKE HOME-RAISED	<b>9</b>
PRECIOUS OVER TIME	<b>81</b>
TIMELESS JEWELS	<b>57</b>
THE PERFUME AND TASTE OF HOME-MADE PASTA	<b>7</b>
PRODUCT AND SERVICE QUALITY	<b>95</b>
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***DIRECTIVE 2002/96/EC ON THE TREATMENT, COLLECTION, RECYCLING  
AND DISPOSAL OF ELECTRIC AND ELECTRONIC DEVICES AND THEIR  
COMPONENTS***

***1. FOR COUNTRIES IN THE EUROPEAN UNION (EU)***

The disposal of electric and electronic devices as solid urban waste is strictly prohibited: it must be collected separately. The dumping of these devices at unequipped and unauthorized places may have hazardous effects on health and the environment. Offenders will be subjected to the penalties and measures laid down by the law.

***TO DISPOSE OF OUR DEVICES CORRECTLY:***

- a) Contact the Local Authorities, who will give you the practical information you need and the instructions for handling the waste correctly, for example: location and times of the waste collection centres, etc.
- b) When you purchase a new device of ours, give a used device similar to the one purchased to our dealer for disposal.



The crossed dustbin symbol on the device means that:

- When it to be disposed of, the device is to be taken to the equipped waste collection centres and is to be handled separately from urban waste;
- Olivetti guarantees the activation of the treatment, collection, recycling and disposal procedures in accordance with Directive 2002/96/EC (and subsequent amendments).

***2. FOR OTHER COUNTRIES (NOT IN THE EU)***

The treatment, collection, recycling and disposal of electric and electronic devices will be carried out in accordance with the laws in force in the country in question.

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